

<110> Rosen et al.

<120> 90 Human Secreted Proteins

<130> PZ013P1

<140> Unassigned

<141> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/055,386

<151> 1997-08-05

<150> 60/054,807

<151> 1997-08-05

<150> 60/055,312

<151> 1997-08-05

<150> 60/055,309

<151> 1997-08-05

<150> 60/054,798

<151> 1997-08-05

<150> 60/055,310

<151> 1997-08-05

<150> 60/054,806

<151> 1997-08-05

<150> 60/054,809

<151> 1997-08-05

<150> 60/054,804

<151> 1997-08-05

<150> 60/054,803

<151> 1997-08-05

<150> 60/054,808

<151> 1997-08-05

<150> 60/055,311

<151> 1997-08-05

<150> 60/055,986

<151> 1997-08-18

<150> 60/055,970

<151> 1997-08-18

<150> 60/056,563

<151> 1997-08-19

<150> 60/056,557
<151> 1997-08-19

<150> 60/056,731
<151> 1997-08-19

<150> 60/056,365
<151> 1997-08-19

<150> 60/056,367
<151> 1997-08-19

<150> 60/056,370
<151> 1997-08-19

<150> 60/056,364
<151> 1997-08-19

<150> 60/056,366
<151> 1997-08-19

<150> 60/056,732
<151> 1997-08-19

<150> 60/056,371
<151> 1997-08-19

<160> 371

<170> PatentIn Ver. 2.0

<210> 1
<211> 733
<212> DNA
<213> Homo sapiens

<400> 1
gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60
aattcgaggg tgcaccgtca gtcttctctt tcccccaaaa acccaaggac accctcatga 120
tctcccggac tctgaggtc acatgcgtgg tgggtggacgt aagccacgaa gacctgagg 180
tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
ggctgaatgg caaggagtac aagtgcagg tctccaacaa agccctccca accccatcg 360
agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acagggtgtac accctgcccc 420
catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggctctgc 660
acaaccacta cagcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
gactctagag gat 733

<210> 2
<211> 5
<212> PRT
<213> Homo sapiens

<220>
 <221> Site
 <222> (3)
 <223> Xaa equals any of the twenty naturally occurring L-amino acids

<400> 2
 Trp Ser Xaa Trp Ser
 1 5

<210> 3
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 3
 gcgcctcgag atttccccga aatctagatt tccccgaaat gatttccccg aaatgatttc 60
 cccgaaatat ctgccatctc aattag 86

<210> 4
 <211> 27
 <212> DNA
 <213> Homo sapiens

<400> 4
 gcggcaagct ttttgcaaag cctaggc 27

<210> 5
 <211> 271
 <212> DNA
 <213> Homo sapiens

<400> 5
 ctcgagatttt ccccgaaatc tagattttccc cgaaatgatt tccccgaaat gatttccccg 60
 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
 gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 ttttgagggc ctaggctttt gcaaaaagct t 271

<210> 6
 <211> 32
 <212> DNA
 <213> Homo sapiens

<400> 6
 gcgctcgagg gatgacagcg atagaacccc gg 32

<210> 7
 <211> 31
 <212> DNA
 <213> Homo sapiens

<400> 7
 gcgaagcttc gcgactcccc ggatccgcct c 31

<210> 8
 <211> 12
 <212> DNA
 <213> Homo sapiens

<400> 8
 ggggactttc cc 12

<210> 9
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 9
 ggggactttc cggggactt tccggggact ttccgggact ttccatcctg 60
 ccattctcaat tag 73

<210> 10
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 10
 ctgaggggga ctttcccggt gactttccgg ggactttccg ggactttcca tctgccatct 60
 caattagtca gcaaccatag tcccgccctt aactccgccc atcccgcccc taactccgcc 120
 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240
 cttttgcaaa aagctt 256

<210> 11
 <211> 975
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (970)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (973)
 <223> n equals a,t,g, or c

<400> 11
 ggggtgaccc acgcgtcsgt gcttaccagc tctaggccag ggcagatggg atatgacgaa 60
 tggactgccca gctggataca aggatgctca ccaagcacca agttctcaca agttatttta 120
 tgtgactttg caggaactga ggcattatat ctgaggacac caggggaaaa gtgtggcatc 180
 tcagggaat acagccctgg gctgtgtcta cacacacat gagagtgtg atgggggggc 240
 aatagtcttg aaaatgtata aagtgtccag gaatggaagt gctctttgat tcattattat 300
 tttcttctt catattcccc tccagagtc tcctatctag gacatcagca ttctcacaca 360
 agcctaattg cttatctgag taagcagggc ttagaaattc actttcttga tactcagtct 420
 tgccttctaa acactccttg atcttgccca cctctccctt ttccacatg tcttttctg 480


```
<210> 12
<211> 2753
<212> DNA
<213> Homo sapiens
```

<400> 12						
ggcacgaggg	gacatggagg	tgggaggccc	ccactcccc	gcagtcacta	ggtccaacca	60
ctccctccct	gccctcagtg	gcagacctgt	gccaggacgg	gcatgggtggc	tgcagtgagc	120
acgccaactg	tagccaggta	ggaacaatgg	tcacttgtag	ctgcctgccc	gactacgagg	180
gtgatggctg	gagctgccgg	gcccgcgaacc	cctgcacaga	tggccaccgc	gggggctgca	240
gcgagcacgc	caactgcttg	agcacccggc	tgaacacacg	gcgctgtgag	tgccacgcag	300
gctacgtagg	cgatggactg	cagtgtcttg	aggagtgcga	accacctgtg	gaccgctgct	360
tggggccagcc	accgcccctg	cactcagatg	ccatgtgmac	tgacctgcac	ttccaggaga	420
aacgggctgg	cgttttccac	ctccaggcca	ccagcggccc	ttatgggtctg	aacttttctcg	480
aggctgaggc	ggcatgcgaa	gcacagggag	ccgtcccttg	ttcattccct	cagctctctg	540
ctgcccagca	gctgggcttc	cacctgtgcc	tcatgggctg	gctggccaat	ggctccactg	600
cccaccctgt	ggttttccct	gtggcggaact	gtggcaatgg	tgggtggggc	rtagtcagcc	660
tgggtgcccg	caagaacctc	tcagaacgct	gggatgccta	ctgcttccgt	gtgcaagatg	720
tggcctgcoo	atgccgaaat	ggcttctgtg	gtgacgggat	cagcacgtgc	aatgggaagc	780
tgctgggatg	gctggctgcc	actgccaaact	tctccacctt	ctatgggatg	ctattgggct	840
atgccaatgc	caccagcg	ggtctcgact	tcctggactt	cctggatgat	gagctcacgt	900
ataagacact	cttcgtccct	gtcaatgaag	gctttgtgga	caacatgacg	ctgagtggcc	960
cagacttgga	gctgcatgcc	tccaacgcca	ccctccataag	tgccaacgcc	agccagggga	1020
agttgcttcc	ggcccactca	ggcctcagcc	tcactcatag	tgacgagcc	ctgacaaca	1080
gttccctggc	ccctgtggcc	ccagggaacg	ttgtgggttag	ccgtatcatt	gtgtgggaca	1140
tcatggcctt	caatggcatc	atccatgctc	tggccagccc	cctcctggca	ccccacagc	1200
cccaggcagt	gctggcgcc	gaagccccac	ctgtggcggc	aggcgtgggg	gctgtgcttg	1260
ccgctggagc	actgcttggc	ttggtggccg	gagctctcta	cctccgtgcc	cgaggcaagc	1320
ccatgggctt	tggcttctct	gccttccagg	cggaagatga	tgctgatgac	gacttctcac	1380
cgtggcaaga	agggaccaac	cccacctgtg	tctctgtccc	caaccctgtc	tttggcagcg	1440
acaccttttg	tgaaccttc	gatgactcac	tgctggagga	ggacttccct	gacaccaga	1500
ggatccctac	agtcaagtga	cgaggctggg	gctgaaagca	gaagcatgca	cagggaggag	1560
accactttta	ttgcttgtct	gggtggatgg	ggcaggaggg	gctgaggggc	tgtccagac	1620
aataaagggt	ccctcagcgg	atgtgggcca	tgtaccaagg	gaagggggtc	ttcatgcagc	1680
cggtgacag	cttgtccatc	cagagggggtg	ccctgtgtctg	cagcggcgta	ggcgtgggt	1740
agaagggtgaa	gtccacgcgg	tagttggaca	ggcagctgag	ggaggccatg	tagaggtcag	1800
agaagcgcac	gaggcgcctt	gagaagtagg	tggggttgtg	gaaggtgcgg	aagatgctgc	1860
cgaactgcgc	attgaacagg	gccttggtga	tgcacctcag	ctcctgccgc	tctttcatcc	1920
aggcagccag	cacctgcttc	gactccgcgt	cctgataggt	ctgcatgcgc	tccagcagcc	1980
ccgtgagcgc	ctgctgccac	gtcagcgagt	gcatgtactg	ctccgtgttg	atgatgcgga	2040
tctcacgcct	cagctcgggg	atgatggcgc	ctgtgcgcc	gccgtgccgc	agcatgagat	2100
ccgccagatc	actatagagg	tggcccccca	agtagagcac	gcggggggcca	cgccattccg	2160
tcaagcgtaa	gaagtcaaac	aggtttccct	gccgatagat	cttgcccttt	tccaagcggg	2220
tgatccgggtc	ccactgaagt	gagccctttt	catcgagttt	tctgaaagct	tgcgccgggtc	2280
agtgaagaag	ctgggcttgt	ctgcctggac	aatgaccaca	togaagagct	ggcgccaatc	2340
gggaccacac	atgtgcgcga	tcccttgttc	tacgaagctg	aaaggactgt	tgtgtgatgag	2400
gaacaqctgt	ttcccatggg	ccaccaggcg	gctcaggaca	gcaaacgtct	catccctctt	2460

caggatgtac	ttctccatgt	cctgctcgat	ccactgggtac	atgaggccct	tcacatgcac	2520
gtctcggatg	gcgtccgtca	cgctccttgta	gagatgtgct	tggtcaaact	ccaggetgtg	2580
gcccagaaag	tagtccacca	cacaggacag	cagagccatc	tccggtagcg	agaagatgtc	2640
catgaactgc	ttaatggagg	gacccttgcc	atagaagcca	ctcatctggt	atagtgggat	2700
gtgctgggta	ccccataca	gctcaatcac	ctcctcgtct	ggcacaggct	ggc	2753

<210> 13

<211> 1025

<212> DNA

<213> Homo sapiens

<400> 13

tttttttttt	tttttttttt	tttttttttt	tttttttcaa	tccaactttt	atttattaaa	60
ttaaaaaaaa	aagactccac	aaagggcatg	atcccttcca	ttccacaatg	ttctctcccc	120
aagctccagc	ggctttaacc	ctttaacttg	gggccttgag	acagcagggg	acagaaaagg	180
aggatccaac	gttacaggaa	aggcacgaag	cggctttaaa	agtcactgga	ggtggagatg	240
ggagcatcca	aagtcccagg	gtgggggtgc	gtggatgcac	caccagatca	gcttggggggc	300
ctctgtccct	ctagctcttt	aagttctttc	tcagggcttc	taggcaccag	atctagcata	360
gtgccttgca	cagagtaggc	actcaatata	tacttgattt	atttgaatct	gatactagag	420
aaagccttcc	ccacccattc	ttcaggaggt	gcacccccaa	accaatgtcc	tcctgttaga	480
tgggcttccc	caaagagcac	atctaagatg	gcagctgcaa	gctctccata	accatggcaa	540
caggggatta	acctgatggg	gtcatggtgt	ctaaggggtg	gggcagtgga	ggaacctgct	600
ctgcagtcaa	gggagatggg	gtacattcca	gtccttctcc	cctccatagg	acttgagggt	660
tcacagcttc	tggctggggc	tggggatatt	agggatcccc	ctaatacaga	gataccccat	720
caactgttta	gcagagatgt	agctaaccac	atttgtagag	acttcattac	aagagaaacc	780
ctatcaactg	agattctgat	gatagacatt	ctattaacaa	gatcttctcc	actaacattt	840
tgtctatata	gagatgcatt	tgactagaat	ttccttagca	gaaatggatc	cacttccctc	900
cccagctcac	tctacctgac	ccgtcatcat	aacttacata	aatagaatta	ttactattca	960
ttactcctgg	tacatagggg	ttaaataata	aggcctgggg	gcagcctccc	tgaccctctc	1020
gtgcc						1025

<210> 14

<211> 781

<212> DNA

<213> Homo sapiens

<400> 14

gaattcggca	cgagaagagt	atcatatgca	gagtttccct	tggtaaacad	atttaaaata	60
aataaatctg	gaagtgtctg	agagtcaaaa	atgtggtgca	tgcaatatat	gatgtaaaac	120
aaaggcgggt	ggtttacgta	gtcagcaga	caagacgcca	gatggtatgt	atgcttgatt	180
gaaagtaccc	acctgttatt	ctgcgaacac	aatgggagga	acagaatect	acatttcctc	240
atccccctta	ctgaggactc	tccttctttc	atacttagta	tttttatatt	acctgtatct	300
attattctac	gtggcaagaa	gtccttttgg	gaaggcagag	tataaataat	gtagttttat	360
taatagataa	gtattagtaa	aactttgcat	tagaagatgt	atgactgacg	ttgcataagag	420
ttgtgtgatg	tagagtaata	ttccatgggt	tacacatcca	taattatggt	tgccgaaaca	480
tgaataccct	actacaggtc	tttgtgatag	acatcagggt	ggggatgcat	aggggacaaa	540
aatgtacaca	atttttgtgc	tgctctcaga	gagattacat	agtaggagag	gaagaccag	600
tattaaaaaa	tagaataaag	gcaagtgcc	caaactcttg	tcattaattt	tractggaag	660
agaggcttag	gaaagatgag	acattttaagc	attgcatgga	ggaaaaaaga	agtagatctc	720
cttggcaggt	ggataggcta	ggacattcca	aactgagaaa	aaaaaaaaaa	aaacgscacg	780
a						781

<210> 15

<211> 1040

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> n equals a,t,g, or c

<400> 15

cctggcaggt	accggctcgc	gtaattcccc	ggntcgaccc	acgcgtccgc	ggcgcccgta	60
agcggacgct	gttaggggtg	gcggggggtt	ggcggcgggt	cgagaggctc	tgggcccggca	120
gtctaagctc	tcgcagcctg	gctcttgtag	ccgcaccctc	aagcaacgga	tccccatggc	180
gcttggtggg	cgcggttggt	ctgcagcggc	cacctgtagt	ctccaagccg	ttgaccccat	240
tgcaggaaga	gatggcgtct	ctactgcagc	agattgagat	agagagaagc	ctgtattcag	300
accacgagct	tcgtgctctg	gatgaaaacc	agcgactggc	aaagaagaaa	gctgaccttc	360
atgatgaaga	agatgaacag	gatatattgc	tggcgcaaga	tttggaagat	atgtgggagc	420
agaaatttct	acagttcaaa	cttgaggctc	gcataacaga	agctgatgaa	aagaatgacc	480
gaacatccct	gaacaggaag	ctagacagga	accttgtoct	gttagtcaga	gagaagtctg	540
gagaccagga	tgtttgata	ctgccccagg	cagagtggca	gcctggggag	acccttcgag	600
gaacagctga	acgaaccctg	gccacactct	cagaaaacaa	catggaagcc	aagttcctag	660
gaaatgcacc	ctgtgggcac	tacacattca	agttccccca	ggcaatgcgg	acagagagta	720
acctcgagc	caaggtgttc	ttcttcaaag	cactgctatt	aactggagac	ttttcccagg	780
ctgggaataa	gggccatcat	gtgtgggtca	ctaaggatga	gctgggtgac	tatttgaaac	840
caaaatacct	ggcccaagtt	aggaggtttg	tttcagacct	ctgatgggcc	gagctgcctg	900
tggacggtgc	tcagacaagt	ctgggattag	agcctcaagg	acattgtgtg	attgcctcac	960
atctgcaggt	aatatcaagc	agcaaaactaa	attctgagaa	ataaacgagt	ctattacwaa	1020
aaaaaaaaaa	aaaaatcgca					1040

<210> 16

<211> 712

<212> DNA

<213> Homo sapiens

<400> 16

gaattcggca	cgagagcycc	ctctccatgg	gataccctgt	ggggcacttc	agagtcccca	60
ccagcaagaa	ggctctctct	caccagatgt	gcccccgcc	aaccttgat	gtctcagtct	120
ccagaactca	gatgagccag	ctcccttggt	aagctgtaag	aacatggtag	ttacaggagt	180
aaggctcatg	aagtggagag	atgagaagac	tttcgggaca	gattgtgtgg	aggctgtcat	240
tctcctcgtg	acattgctgt	gggagaagaa	ggaggcattc	catgttggct	tcagtgaaga	300
acttcagtat	tttccagaga	gaagtactga	gaagcttaaa	gtatttgaat	gggaggagga	360
gaagcaaact	acagctactt	cagaggataa	cactaaacac	ctagtccact	ctgtatcac	420
tagagggtgct	gttaattttc	ttgtggagaa	ggaactgtct	ttagaaaaat	atctcaaaaa	480
gccactgaag	tagaaagttt	cagcatgctg	aagatggaac	ttgagaagat	agaaagttct	540
gggtccttag	tggcatgact	gagtcgctgg	accactgttg	gaaccacct	atgtcttagt	600
ttttaaatct	ctttactgtc	taagacattt	ttagtggaa	tatttatctc	tggcatccaa	660
taagaccttt	aaggatttgc	agttttaaaa	aaaaaaaaaa	aaaaaaactc	ga	712

<210> 17

<211> 1323

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1086)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1087)
 <223> n equals a,t,g, or c

<400> 17

gctgaagatg	gggtccctcg	cacggcacgg	tccatgtccc	tcacgctggg	aaagaatatg	60
cctcgccgga	ggtcagcggt	gctgtggttc	ctaagtttaa	tgccctgaat	ctgcctggcc	120
aaactcccag	ctcatcatcc	attccctcct	taccagcctt	gtcggaatca	cccaatggga	180
aaggcagcct	acctgtcact	tcagcactgc	ctgcactttt	ggaaaatgga	aagacaaatg	240
gggacccaga	ttgtgaagcc	tctgtctctg	cgctgaccct	gagctgcctg	ggaggagctt	300
agtcaggaga	ccaaggccag	gatggaggaa	gaagcctaca	gcaagggatt	ccaagaaggt	360
yttaaagaaga	ccaaagaact	tcaagacctg	aaggaggagg	aggaagaaca	gaagagttag	420
agtcctgagg	aacctgaaga	ggtagaagaa	actgagggaag	aggaaaaggg	cccaagaagc	480
agcaaacttg	aagaattggg	ccattttctta	caagtcatgt	atcccaaact	gtgtcagcac	540
tggcaagtga	tctggatgat	ggctgcagtg	atgctggtct	tgactgttgt	gctggggctc	600
tacaattcct	ataactcttg	tgcagagcag	gctgatgggc	cccttggaag	atccacttgc	660
tcggcagccc	cagggactcc	tgggtggagct	caggactcca	gcctgagcag	cctacagagc	720
agtaggaaac	ctcacacctt	gccagtgcct	tgctctgaga	cactcagact	accacccttt	780
ccccaaagtat	aacgtcaggg	ccaagtgtgg	acacactgcc	gccccatcca	tcagggtcatg	840
aggaagggtt	cttttaacac	tcggcacttc	tgtgggagct	attcatacac	agtgacttga	900
tgttcttggga	ggatcaacaa	aactgccttg	ggaaagcctc	cagtggatga	agaagtcacc	960
ttcaccaagg	aactctattg	gaagggaagg	tctcctgccc	ctagctcagg	tggctgggga	1020
gaactaaaac	accttcactg	gtgggttggg	gtaaggagcg	gggcacgggg	gaggaggagg	1080
taggggncag	taaaaaactt	actctctttt	ttcctctctg	taattggtta	tcaggaagaa	1140
tttgcttaat	gactaacacc	ctaagcatca	gacctggaat	ttggagttag	aaagtgacta	1200
tcttcccatt	tcccactcca	ttttcaataa	cttcagcctc	ccattctttc	ctttggaatg	1260
agagtttctt	tttacagaag	taggaaaggc	ttctcagaaa	aaaaaaaaaa	aaaaaaaaact	1320
cga						1323

<210> 18
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 18

cccacccggg	gagggtcggt	gtgcgcctgc	ccaggggtggg	ggttgccgct	gcgcctaggg	60
ctttccctca	ggttttcctc	ttccccactg	cggctcccca	gtcggcgctt	gcggggagaa	120
tcagcgctga	gattgtctaa	agccccagga	aaaatgggtg	aaaattcacc	gtcgccattg	180
ccagaaaagag	cgatttatgg	ctttgttctt	ttcttaagct	cccaatttgg	cttcatactt	240
tacctcgtgt	gggcctttat	tcctgaatct	tggctaaaact	cttttaggtt	aacctattgg	300
cctcaaaaat	attgggcagt	tgcattacct	gtctacctcc	ttattgctat	agtaattggc	360
tacgtgctct	tgtttgggat	taacatgatg	agtacctctc	cactcgactc	catccataca	420
atcacagata	actatgcaaa	aatcaacag	cagaagaaat	accaagagga	ggccattcca	480
gccttaagag	atatttctat	tagtgaagta	aaccaaatgt	tctttcttgc	agccaaaagaa	540
ctttacacca	aaaactgaac	tgtgtgtaac	catagtaaca	ccaagcacgt	atttatttat	600
aagtttttgc	cattataatt	ttgaccataa	attaatttga	ccatctctct	tattaataga	660
gaagtataaaa	atgtaagttg	accttctctt	agattatggt	caatgaatat	tgtaaatggt	720
caagtattgt	taatgaatag	aataaataca	atattgcatt	ccccaaaaaa	aaaaaaaaaaa	780
actcga						786

<210> 19
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<400> 19
 gnacccccgg gctgcaggaa ttcggcmcga gaaatgaggc ttcagcctga catctgtaac 60
 ctccccacca accctctgag tctgaagtgg ggcttgatgc tgttatcact gaccctttgt 120
 ttggagaaaa cagtccaagg tttgaaattg ggtctatgtt tattcaaact aagctttctct 180
 gaggacatgg tctgtcccac tcatcctcag agtatccgtt ggttttactt catgttcaga 240
 ctgcagtgtt gttaaagaaa taaagctaca gtgttttcag aaggatttgg tatattatac 300
 ttcatgttcc cactgctcca ggctaagcgt ctctctggg ctccattgtt taatgcagga 360
 caaagccagg ttttctggca gcttctttt catagcaatt ctccagtagag gtatagaatg 420
 agacctgcct accttcttgg gtgtttatta cccatttgg ggattttact ttaacttctg 480
 ttaccttaaa aaaaaaaaaa aaaaactcga 510

<210> 20
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (749)
 <223> n equals a,t,g, or c

<400> 20
 gagctgcctg atggaaagaa gagaagaaag gtcctggcgc tccccacaca ccgaggcccc 60
 aaaatcaggt tgcgggacaa aggcaaagtg aagcccgtcc atccccaaaa gccaaagcca 120
 cagataaacc agtggaagca ggagaagcag caattatcgt ccgagcaggt atctaggaaa 180
 aaagctaagg gaaataagac ggaaacccgc ttcaaccagc tggtcgaaca atataagcag 240
 aaattattgg gaccttctaa aggagcacct cttgcaaaga ggagcaaagt gtttgatagt 300
 tgatgatggc agcaggctgg gtaagaagct gggttgtgta ctttctgggtg acactcctgg 360
 gctcctcccc atccccctg tctctcactg agggaaagaa aatcccccaag ggcaactgcc 420
 ctgtgctcgg aggtgccttg gactgtgtac atctgaactt tgggccatcc tttgatgtgt 480
 ggttcggttag ccacaaagag aaatatctga aagtcaacat gatgcttctt gcatattatc 540
 cagattattg tatgaagtgg tgtctataat tattaccaat ttttattctt tatttctcaa 600
 atggaaacac ctgaaaaagc attctggagt gctgaatttt taagatgtat attttgtaa 660
 gcatattctc taaatgagat attgtgtggc ttttagtaa caacgtcatt tctaataaaa 720
 aaaaaaaaaa aaaaagaaaa gaaaaaana 750

<210> 21
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 21
 gaattcggca cgaggagcca ctgcggtctgg ccaagatgct ttatattctt ttaaaaccat 60
 tgttggtgtc atctgttaac tgcacaaata tttaccaaag gcttaccag agccaaggac 120
 tagacttggc actgggtaga aactagtaag gcatggctct tcttctacat agaattcttag 180
 catttttagag atgagttccc agacatggtc cagaaggtca cagttcacac cattaggcaa 240
 ggcagtattt gaaataaaaag tcatgtctaa tactaaatcc agtatgttct ctccctcagg 300
 attttactct cattgctgcc ccttggtttg ctatgctctt cccagacag ctgcacagct 360
 catttaattt agatctcatt taatttagat ctctcaatta atttagatct ctgttaaaaa 420
 aaaaaaaaag ccctaggcag caaggtctaa catatcatcc tcaaattaaa gagaaagccc 480
 tttggtgtta tttttcttta tagcacttac caactcccag tagaatgtaa actccagtag 540

ggcacatatc	tttgccctctt	ttatcttactg	ctctattccc	agcaccagaa	cagtccttgc	600
cacaaagtag	gtgctcaata	aacatttggg	gaatgaatta	acctagtgtt	ctttttacct	660
acacatgcac	acacagagcc	atgacactcc	tgccgaggaa	gctcgcggct	ctaagaggga	720
cattaaagaa	aagccaattc	agtgcctgcc	aaagagtaga	acatgttttg	acagcaggat	780
cagcttgggt	ggtggaccaa	caatgggttg	cagaccaaga	aaaaaaaaa	aaactcga	838

<210> 22
 <211> 1061
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (460)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1048)
 <223> n equals a,t,g, or c

<400> 22						
acaccaatgg	agacataatt	gtgggcagac	tatgacaacc	gttgggtcag	catcttctcc	60
cctgaggggc	aagttcaaga	ccaagattgg	agctgggccg	cctcatgggc	ccaaggggag	120
tggccgtaga	ccggaatnga	catatcattg	tggtcgacaa	caagtcttgc	tgcgctctta	180
ccttccagcc	caatggcaaa	ctgggtggcc	gttttggggg	ccgtggggcc	actgaccgcc	240
actttgcagg	gccccatttt	gtggctgtga	acaacaagaa	tgaaattgta	gtaacggact	300
tccataacca	ttcagtgaag	gtgtacagtg	ccgatggaga	gttcctcttc	aagtttggct	360
cccattggcg	gggcaatggg	cagttcaatg	ccccacagg	agtagctgtg	gactccaatg	420
gaaacatcat	tgtggctgac	tggggcaaca	gccgcatccn	aggatttcga	cancctctggc	480
tccttcctgt	cctatatcaa	cacatctgca	gaaccactgt	atggtccaca	gggcctggca	540
ctgacctcgg	atggccatgt	ggtgggtggc	gatgctggca	accactgctt	taaagcctat	600
cgctacctcc	agtagctgta	cagaggccct	gcctggcttg	tggagggaca	gacattgggg	660
tgattggaca	agagggtctg	gctgggaggt	gggcagacc	tggcagcact	gaatgtgggc	720
tgtgggcatg	ggtgcacccg	gtgccctccc	tctcctaccc	ccacccccac	ggttgcaactt	780
tattttattcg	gttcttgctt	tggtgactgg	gtgagcctgg	actgtgggtc	caaggatgtg	840
tgcagagctt	cacctaccc	ttcttacaca	cctccccacc	cctgtcagtc	tgtcccccat	900
ccccagcct	ggggccagaa	cagcctaccc	caggacagga	gtccctctag	ttgtctccct	960
accaccctat	acacactgac	agagacagca	atacccccacc	ccccatatta	aataaatgtc	1020
ttcaccaaga	aaaaaaaaa	aaaaaaanac	tcgcggcagc	a		1061

<210> 23
 <211> 884
 <212> DNA
 <213> Homo sapiens

```
<220>  
<221> SITE  
<222> (356)  
<223> n equals a,t,g, or c
```

```
<210> 24
<211> 711
<212> DNA
<213> Homo sapiens
```

```
<210> 25
<211> 507
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (7)  
<223> n equals a,t,g, or c
```

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<400> 25

ctcgaantan	ccccactaag	ggaacaaagc	tggagctcca	cgcggtgncg	gccgctctar	60
aactagtgga	tccccgggc	tgcaggaatt	cggcacgagc	ttttccaaaa	tggctgtact	120
aatttacatt	cccaccaaca	atgttcaagg	atttcatatt	cttgacattc	ttacccaaat	180
tgtcacagtt	tgtaaaagg	agtctaataa	gtggcctaag	tgaatgtgac	aacacttcat	240
tgaagcaat	cttaggtttt	tccaactata	gtcaataata	acttaattgt	acattctaaa	300
ataactcaaa	gagtgttaatt	ggattgcttg	taacttaaag	gataaatgct	tgaggggatg	360
gatgctcat	tctccatgat	gtgcttattt	cacattgcat	gcctgtatca	aaacattaca	420
tttatcccat	aataacacac	cttactatgt	acccccaaaa	aataaacatt	aaaattaagt	480
tttcaaaaaa	aaaaaaaaaa	aactcga				507

<210> 26
 <211> 2232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (715)
 <223> n equals a,t,g, or c

<400> 26

ctcccaggcc	cgcgaaacttg	gccattcagc	cgccgctgtc	cccgtgcgc	gccctcgcgc	60
ctctgcctga	raagccaggc	gctgttcccc	caccccagaa	gaggatggca	aagggtggcta	120
aggacctcaa	cccaggagtt	aaaaagatgt	ccctgggcc	gctgcagtca	gcaagaggtg	180
tggcatgttt	gggatgcaag	gggacgtgtt	cgggcttcga	gccacattca	tggaggaaaa	240
tatgcaagtc	ttgcaaatgc	agccaagagg	accactgcct	aacatctgac	ctagaagacg	300
atcggaat	tggccgcttg	ctgatggact	ccaagtattc	caccctcact	gctcgggtga	360
aaggcgggga	cggcacccgg	atctacaaga	ggaaccggat	gatcatgacc	aaccctattg	420
ctactgggaa	agatcccact	tttgacacca	tcacctacga	gtgggctccc	cctggagtca	480
cccagaaact	gggactgcag	tacatggagc	tcaccccaa	ggagaagcag	ccagtgcacg	540
gcacagaggg	tgtttttacc	gccgccgcca	gctcatgcac	cagctcccca	tctatgacca	600
ggatccctcg	cgctgccgtg	gactttttgga	gaatgagttg	aaactgatgg	aagaatttgt	660
caagcaatat	aagagcgagg	ccctcggcgt	gggagaagtg	gccctcccgg	ggcanggggtg	720
gcttgccaag	gaggagggga	agcagcagga	aaagccagag	ggggcagaga	ccaytgctgy	780
taccaccaac	ggcakttytca	gtgacccgtc	caaagaagaa	gcgtgctagc	cagtcccact	840
cgtgtgataa	cccattaatc	tattaaagcca	taagtggatt	aatccattcc	tgaggacctg	900
agccctcacg	acccaatcat	ctcttaaagg	ccccacctct	caatactgcc	atgcagagga	960
ttatgtttca	acctgagttg	ttggagggga	tgttcaaccc	ataggaagtg	gcagtgtgga	1020
agaagtgtctg	ctgaggagtg	agtcactggg	ggccattttg	agaaaacaga	aaggagaagc	1080
cagagtgtggg	gagatgaaag	cctcatggct	tggtttgtct	taaactgccc	cacagaaggc	1140
gaaaggaatg	cttgaggctg	gaccacgtgg	gtctagcgtg	tactgcgttt	ctgggtcccca	1200
gcccctgttt	taccttttgc	tcctcctgcc	ccatcaacca	agtgctcttca	tttgtttcta	1260
tggcaattaa	cttttgagaga	tagaagtccc	agcacacgag	atccccaagc	acattatcta	1320
ccttgctgaa	caggttgga	gtcacacatg	agccaggcga	cccagggaaa	tgccagccca	1380
aacgaagctg	ctgccacatc	cagagagggc	cggactcttt	ctcccttgta	gtcactcaag	1440
ctaatacatcc	aaaacctgca	tcctccatct	ccaagcccca	tcttattage	accatctggg	1500

attgccaacc	aagaaactgt	tttatctgag	aactctaaga	ccaaagaaca	agattttattt	1560
cctctactac	agattttggca	gtgacgcata	aaaggcccat	ttctcaggaa	gaatacatgt	1620
cctaaggatg	taaaaaaaaa	aaaaatatta	gatctagtta	ccatggkcta	taaactggtc	1680
ttttcccgcc	ccacctgat	cctggcttct	gtccaccctc	aaatagctgt	ttgktcataa	1740
accctaaata	ctagataatt	ctaagttgga	aggagacctc	taagtcaactg	tagcatttcc	1800
aaatcgccat	tccaagaga	catgtggatc	tgacatcgtg	ttttattctt	gactgagcct	1860
cgcayatttg	ttctgtgtgg	aacaaaggca	aaggcagccc	aagaaccggg	gtccttgccct	1920
acagtcagct	ttaggaaatg	attgtgaact	tgggaagcat	ttaaatagca	atactagaca	1980
gtaaatggaa	aaggccaaag	tcagaaaata	agtagggatt	ccaaaggaag	cctttatttg	2040
ttgggctagg	ctgggctagc	tgtggaagat	agacttctat	gtccctgccc	caaccacaat	2100
tttactttta	ttattatgta	attagtgaat	cgatgtctgt	caccgtctgt	agatgctgag	2160
gtcttgttca	tctctttatt	tgcattgata	tacatagcca	ttgctcaata	aatatgtgac	2220
ccatgaaaaa	aa					2232

<210> 27

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (21)

<223> n equals a,t,g, or c

<400> 27

ngngntgacc	tatanangta	nccttcagta	cgcgtccggaa	ttcccgggtc	gacccacgcg	60
tccgaggaga	tgcttcaaaa	tgtcaattgc	tttaaactta	aattacctct	caagagacca	120
aggtacattt	acctcattgt	gtatataatg	tttaatatct	gtcagagcat	tctccagggt	180
tgcagtttta	tttctataaa	gtatgggtat	tatgttgctc	agttactcaa	atggtactgt	240
attgtttata	tttgtacccc	aaataacatc	gtctgtactt	tctgttttct	gtattgtatt	300
tgtgcaggat	tcttttaggt	ttatcagtgt	aatctctgcc	ttttaagata	tgtacagaaa	360
atgtccatat	aaattttccat	tgaagtcgaa	tgatactgag	aagcctgtaa	agaggagaaa	420
aaaacataag	ctgtgttttc	ccataagttt	ttttaaattg	tatattgtat	ttgtagtaat	480
attccaaaag	aatgtaaata	ggaaatagaa	gagtgatgct	tatgttaagt	cctaactacta	540
cagtagaaga	atggaagcag	tgcaataaaa	ttacattttt	cccaaaaaaa	aaaaaaaaaa	600
aaaaaagggc	ggccgctcta	gaggatccct	cgagggggccc			640

<210> 28
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<400> 28
 gaattcggca cgagtgcagc ttcattttgg gctgccttag ccatgaagct ccttttgctg 60
 acttttgactg tgctgctgct cttatcccag ctgactccag gtggcaccca aagatgctgg 120
 aatcttttatg gcaaatgccg ttacagatgc tccaagaagg aaagagtcta tgtttactgc 180
 ataaataata aaatgtgctg cgtgaagccc aagtaccagc caaaagaaag gtgggtggcca 240
 ttttaactgc tttgaagcct gaagccatga aaatgcagat gaagctccca gtggattccc 300
 acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaaaaaaaaa araaaaaaaa 360
 aagaaaaaaaa actcaagggg gggcccggtg cccattcgcc ctatgtnnnt cgt 413

<210> 29
 <211> 1122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1107)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1116)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1121)

<223> n equals a,t,g, or c

<400> 29

ggcanagcta	accgcagttct	ctactacttc	ctcttcgccc	ccaccttggtg	ctacgagctc	60
aactttcccc	gctctccccg	catccggaag	cgctttctgc	tgcgacggat	ccttgagatg	120
ctgtttcttca	cccagctcca	ggtggggctg	atccagcagt	ggatgggtccc	caccatccag	180
aactccatga	agcccttcaa	ggacatggac	tactcacgca	tcacgagcg	cctcctgaag	240
ctggcggtcc	ccaatcacct	catctggctc	atcttcttct	actggctctt	ccactcctgc	300
ctgaatgccg	tggctgagct	catgcagttt	ggagaccggg	agttctaccg	ggactgggtg	360
aactccgagt	ctgtcaccta	cttctggcag	aactggaaca	tcctctgtga	caagtgggtg	420
atcaggtagg	tggggtgtgt	gtgtgtgtga	tgtggaacat	ggctgtgaac	ctgaaccgct	480
ttccatgccc	cctcctctgc	agacacttct	acaagcccat	gcttcgacgg	ggcagcagca	540
agtggatggc	caggacaggg	gtgttcctgg	cctcggcctt	cttcacagag	tacctgggtg	600
gcgtccctct	gcgaatgttc	cgcctctggg	ckttcacggg	catgatggct	cagatcccac	660
tggcctggtt	cgtgggcccgc	tttttccagg	gcaactatgg	caacgcagct	gtgtggctgt	720
cgctcatcat	cggacagcca	atagccgtcc	tcattgtacgt	ccacgactac	tacgtgctca	780
actatgaggc	cccagcggca	gaggcctgag	ctgcacctga	gggcctggct	tctcactgcc	840
acctcacacc	cgtgccaga	gcccacctct	cctcctaggc	ctcgagtgtc	ggggatgggc	900
ctggctgcac	agcatectcc	tctgggtccca	gggaggcctc	tctgccccta	tggggctctg	960
tcttgacacc	ctcagggatg	gcgacagcag	gccagacaca	gtctgatgcc	agctgggagt	1020
cttgctgacc	ctgcccggg	tccgaggggtg	tcaataaagt	gctgtccagt	gaaaaaaaaa	1080
aaaaaaaaac	tcgagggggg	gcccgggnacc	caattngccc	na		1122

<210> 30

<211> 778

<212> DNA

<213> Homo sapiens

<400> 30

ggttctctgg	ccaagaggag	caatttttctg	gccatcagca	aaaagctgaa	tttgatccca	60
cgtgtggacg	gcgagtatga	tctgaaagtg	ccccgagaca	tggcttacgt	cttcrgtggg	120
gcttatgtgc	ccctgagctg	ccgaatcatt	gagcaggtgc	tagagcggcg	astggcaggg	180
ccttgatgag	gtggtacggc	tgctcaactg	magtgacttt	gcattcacag	atatgactaa	240
ggaagacaag	gcttccagtg	agtccctgcg	cctcatcttg	gtggtgttct	tgggtgggtg	300
tacattctct	gagatctcag	ccctccggtt	cctgggcaga	gagaaaggct	acaggttcat	360
tttcttgacg	acagcagtca	caaacagcgc	tcgccttatg	gaggccatga	gtgaggtgaa	420
agcctgatgt	ttttcccggc	cagtgttgac	atcttccctg	aacacattcc	tcagtgagat	480
gcaggcatct	ggcaccacgc	tgctataacc	aagtgtccac	caactacctg	ctaagagccg	540
ggagcatgga	acgtgttggtg	atcttagagaa	cattatctga	gaaaagagtt	cacttcctgc	600
tcccaggata	tttctctttt	ctgtttatga	agtacaaccc	atgctgctaa	gatgcgagca	660
ggaagaggca	tccttttgcta	aatcctgttt	gaatgtcatt	gtaaataaag	cctctgctct	720
cagatgtaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaagg	ggggggggc	778

<210> 31

<211> 2476

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (853)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2227)

<223> n equals a,t,g, or c

<400> 31

actcaagacc	ctgtgcacct	ctcagcaggg	ctttgctgga	cagatgaaga	gtgacttggt	60
tctggatgat	tctaagaggt	tatcaatact	ctggctgacc	atcgtcatcg	tgggactgac	120
tttgggtgaa	gtccttggtt	acttatcatt	actgtgttgc	tgagaagtta	taaatttgcc	180
atctccctct	gcacaagtta	cctttgtgtg	tctttcctga	agactatctt	cccgctctcaa	240
aatggacatg	atggatccac	ggatgtacag	cagagagcca	ggaggtccaa	cygccgtaga	300
caggaaggaa	ttaaaattgt	cctggaagac	atctttactt	tatggagaca	ggtggaaacc	360
aaagttcgag	ctaaaatccg	taagatgaag	gtgacaacaa	aagtcaaccg	tcatgacaaa	420
atcaatggaa	agaggaagac	cgccaaagaa	catctgagga	aactaagcat	gaaagaacgt	480
gagcacggag	aaaaggagag	gcaggtgtca	gaggcagagg	aaaatgggaa	attggatatg	540
aaagaaatac	acacctacat	ggaaatgttt	caacgtgcgc	aagtttgccg	cggcgggcag	600
aggactacta	cagatgcaaa	atcaccctct	ctgcaagaaa	gcctctttgc	aaccgggtaa	660
gtttgcttgt	tttccttgct	tttggacata	gtctgccagg	tcaggacatg	gatacatttt	720
tctccctacg	gctctgtgct	caagccctgc	agagggagat	ggcagagagg	aaggctgcct	780
acaagcatca	cagtcctatc	cctgttggtg	accgtgttgc	gcaaaaacac	cttcatcccc	840
acccagtggg	gcncccatc	taatatctta	agtgtcagag	gttccgtatt	tgtaatarca	900
aatggggcct	gactgtaaat	tagtgaagag	tgaatgtaac	ttattaccca	cagggacaat	960
tccaaatgag	ggccttaaat	gatgctcagc	taagctgggt	cttgtgtggc	ctctgtacct	1020
tcaaaagctg	ccgagtccta	tgatttcaag	cgatgggact	tgtacacttg	aagtgaacaa	1080
cagttttaaa	acttgctttg	tttagaattc	ccacctcatt	tttccatgga	caaaagtatt	1140
ctttatgtcc	tagtgcactt	acaatttggg	attacctggg	agtgaaga	aatattacag	1200
ccatgcctaa	ctgacttctt	gaggtaagat	tgttctgtca	gaaaaccctc	tcccagttcc	1260
cctgcagctc	ttcaggaatc	cacatctctc	cagagctctt	tgttctcatg	ggtggcacct	1320
ccagagtga	gaagatcctt	tgtcaagaag	ggaaacagag	gggaaatgag	agggctcctgc	1380
aggcagagct	ggaatcaact	tccactctgc	ctcttgcaag	ctgtgtgacc	ctgggcacaa	1440
tttctccttc	ctctggaaac	ctctgttttc	ttagatttgg	agcaggrrtg	tcacactgac	1500
cttgacaggt	tctgagaatc	agagacagaa	cataaaaggc	ctggaaaaca	ttctccaaaa	1560
agaagctgca	acatgtgtgg	acaatgggct	tttcatgcct	ctcttactgt	ctcttactgt	1620
ctattgacct	ggtgcaagaa	acatgctctg	gtgatggctg	tgagggagga	atgaggatag	1680
acatagacac	tcctgtgtct	caaacatgct	tctttattac	tctgttatga	ctctgtcttc	1740
cctggggcag	gacccagcc	tgcctacatt	tgcagacaga	cacagtggca	tgtggagaca	1800
acagtgtgtc	ccartgactt	ttctttaccc	cccagctgtc	ggcagtactc	agtgggaagg	1860
tgatatgaca	ctgatactgc	tattttgaaa	cctggaggat	ggaaagggtc	aaaaatctat	1920
caccagcaac	agaagggtgca	gacygtgttg	gtggcggtaa	ttttgtccat	caaatgaata	1980
tgtgtgaaaa	cattccctcc	tttggcccta	caggtcagaa	tggcggcagy	ggagcatcgt	2040
cattcttcag	gattgcccrr	ctggccctac	ctcacagctg	aaactttaaa	aaacaggatg	2100
ggccaccagc	cacctcctcc	aactcaacaa	cattctataa	ytgataactc	cctgagcctc	2160
aagacacctg	csgagtgtct	gctctatccc	cttccaccct	cagcggatga	taatctcaag	2220
acacctnccg	agtgtctgct	cactccccct	ccacctcag	ctccaccctc	agcggatgat	2280
aatctcaaga	cacctcccgga	gtgtgtctgc	tcactccccct	tccaccctca	gctccaccct	2340
cagcggatga	taatctcaag	acacctccca	agtgtgtctg	ctcactcccc	ttccaccctc	2400
agtggatgat	aatctsaaga	aactaasgaa	gaataaataa	ataatataaa	aataaaaaaa	2460
aaaaaaaaaa	actcga					2476

<210> 32

<211> 691

<212> DNA

<213> Homo sapiens

<400> 32

gaattcggca	cgagctcgtg	ccgaaaaatt	attattttaag	attaaaccat	agcatcacat	60
tttcagtaat	ggcaaataaa	acttgaatat	cataatgagt	ttatattcat	catcattcac	120
tgaacagta	taaaaacaag	atctttacat	taagagattc	tacatttttc	tgtttacttc	180
ttgaatattg	tcctaatact	ttttatattt	gaacatattt	tgttgatttc	tgctaataga	240

```

aagttaccaa aaacttagaa ataagacaaa tttatcattg catgttttcc tttttcatac 300
tgaagtaatg tctaaaagat tcaccttgga ttatttggtt ctttctgaga ttgtactttg 360
tttggtttac tacttattac ttattagggc cttgggtctg tgaagttgga tgtaactta 420
taaattggtat tcatagagat acgtgattta tttcaggtag aaaaaacaac cctacaagat 480
tttttttttc cagcaaaaaca ttaaacagct ttgcctcaaa cttagcaaatt gtatttcac 540
atgactttct taaactgaca acataacaac catttgaaatt ttcctttgaa ccagctttac 600
cacctgtggt tttctcatt atttcccaca ttattgagtt aaataaatat ttgacgtgtg 660
ttcactttta aaaaaaaaaa aaaaaactcg a 691

```

```

<210> 33
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 33
ggtcgaccca cgcgtccgga atatttaagg gtaaaatttt tctactttta aagcttaaaa 60
aaatgttttt ttactactgt aaaagtaatg cagagaaatg ttcacttacc aaacacatac 120
ctttgtaaaa atcaccactt aaagtttggt tctaaagatt ttaggacacc aagatgcaaa 180
taataatttt ggctgtttacc tgctctttca ctactgctga gtctgcagtg gcaagatagc 240
tacacagtag ctccagccctc ctgctcagtt ttaacatct attgataata ctaattacaa 300
gaaaatttaa aatgtctttt tgcaaaaaga taccataagc agtcaaaaaca caattaaaaa 360
aaaaaaagag agagatgtaa acaattactt tccggccggg tgcggtggct cacacctgta 420
atcccagcat tttgggagac caaggcgga ggattgctg aggtcaggag ttcaagacca 480
gcctggctaa catggtgaaa acccatctct actaaaaata caaaaaata gccaggcgtg 540
gtgacgcatg cctgtagtcc caggtagtct ggaggctgag gcaggagaat cgcctgaacc 600
caggagatgg aggttgcggt gagccaagat caccgacctg cactccagcc tgggtgatag 660
agcaagactc tgttttccaa aaaaaaaaaa aaggcgcgcc 700

```

```

<210> 34
<211> 1722
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (2)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (413)
<223> n equals a,t,g, or c

```

```

<400> 34
tnactatgcc ctgcgcactg gggcctttga acctgctgag gcctcagtta atccccaaaga 60
cctccaagga tccttgacag agttgaagga gagggctctg agccgatata acctcgtgag 120
gggccagggt ccagagaggg tgggtgtctg ctcgcagcag ttcaccttat tctgtgggtc 180
cccagcagag grcaaaaagc ctctcactcg gatgacagga caccaagctc tcatcaacca 240
ggtgctcttc tctcctgact cccgcactcg ggctagtgcc tcttttgaca agtccatcaa 300
gctgtgggat ggcaggacgg gcaagtaact ggcttcctta cgcggccaag tggctgacct 360
gtaccagatt gcgtggtcag ctgacagtcg gctcctggtc agcggcagca gtngacagca 420
cactgaaggt gtgggatgtg aaggcccaga agctggccat ggacctgccc ggccacgcgg 480
atgaggtata tgctgttgac tggagtccag atggccagag agtggcaagt ggtgggaagg 540
acaaatgcyt ccgcatatgg aggagatgag acggcccaga gttctctctg acccccacct 600
cgactcggcc tctgccagct gccttcctcg ccagagaaca aaggctgaga tggcagtgca 660
cacacctcc ccaccagtgg ggacctgaga atgctgtgtg cctgctgtcc tcgatagacc 720

```

ggaatgggggt	tttcccacag	atccccgcct	gtggcacacc	ccagagccag	aaatcgaagg	780
tcacaggaag	ttgtcactga	acttggcccg	tgtctgctac	tctgtacctt	gctgggtacag	840
acaggggtgg	tgggcagcca	ggctctatga	gtgggcccct	agtgtcagct	ctgtacaggg	900
tcagatccca	ggttctatga	ccaaataagt	aacttaagtt	ttgtgtgttg	ggttctaat	960
ccttgtccta	gaatcccat	gactcaatca	aggactgtgc	taaatagagat	tgtccagccc	1020
cgcctcttgc	actggactac	gcaaaaacca	cactgaccag	gcacttgcct	tccctctctt	1080
cccccggtgt	ggtaagagag	aggccagttg	tgatagtggc	caaggagaat	ctagggctgt	1140
attgttgtcc	actgcagtag	gcaccggcca	catgtgactg	ctggcatgaa	atagaagtgc	1200
agttcctcca	tgcactggg	taaggcctcc	agtattggac	agcacacaga	aaggttttca	1260
tcatcaagag	agttctgctg	gtcagccctg	ctccagggga	tgcctctgcc	ttcgcatagc	1320
acactgcttg	aggccctgcc	aggcaccaag	cactgccctg	ggcccatggg	atagagcggg	1380
gaaggtgatg	gctcttccag	aggattccct	cagatgggga	ggcagcagta	tgagctctga	1440
gcagaagtgg	gtattgttga	tacagaggaa	gttctttgcc	acgagaactt	tcaagcagtg	1500
aaaggaattc	ccatcaggac	tcagacccca	ggccgagatc	ttgccctgaa	tgtaccctgc	1560
ctctgctttc	tcctgcaccc	catgctaagc	agggtcagtg	tctgaactac	tcagattgga	1620
tttccaaacc	atccttgtat	aaactgctca	gaactaraaa	aaaaaaaaaa	aaaaaaactc	1680
gagggggggc	ccgtacccaa	ttcgccctat	agtgagtcgt	at		1722

<210> 35

<211> 878

<212> DNA

<213> Homo sapiens

<400> 35

gcccacgcgt	ccgcccacgc	gtccggagta	cgctcgggag	ccctgcccac	ggcgaattgt	60
ggatgattgc	ggtggagcct	tcactatggg	tgtcatcggt	ggcggagtc	tccaggccat	120
caagggtttc	cgcaatgccc	ctgttggaa	tcggcacccg	ttgagaggta	gtgccaatgc	180
tgtgaggatc	cgagccccc	agattggagg	tagcttcgca	gtgtgggggg	gcctgttctc	240
caccatygac	tgtggcctgg	tgcggcttcg	gggcaaggag	gatccctgga	actctatcac	300
cagtggagca	ttgaccgggg	ctgtgctggc	tgcccgagc	ggccactgg	ccatggtggg	360
ctcagcaatg	atggggggca	tcctgttggc	cctcattgag	ggcgttggca	tcctcctcac	420
tcgctacaca	gcccagcagt	tccgaaatgc	gccccattc	ctggaggacc	ccagccagct	480
gccccctaag	gatggcaccc	cggccccagg	ctacccagc	tatcagcagt	accactgagg	540
aagccactgc	caccatggga	gctacttctc	ggttcctcc	ccgatggtct	acctcgaagg	600
gagggctggc	tcccagttag	ccctgggacc	ctccagagag	ggtttctact	ctgctcccta	660
gtcccagggg	gggggtgggg	cacccagct	gccctgacag	atgggtcccc	tttttctctc	720
tcagggcacc	ccagccccac	actcacatgt	acgaagttct	cacccagct	cctttgtgtg	780
gcaccctgat	gagtatttaa	agccgtttt	gaaatgccwa	aaaaaaaaaa	aaaaaaaytc	840
gggggggggg	cccttaaccc	atttgggcct	taaggggg			878

<210> 36

<211> 954

<212> DNA

<213> Homo sapiens

<400> 36

gaattcggca	cgagaggaag	agcgccagag	cctgctgccc	attaacaggg	gcacagagga	60
ggggccaggc	acttcccaca	ccgagggcag	ggcctggcca	ctccccagct	ccagtcgccc	120
ccagcgcacc	ccaagaggat	gggggttcac	cacctgcacc	gcaaggacag	cctgaccacg	180
gcccaggagc	agggcaacct	gctcaactag	ggccctgct	ggccttcctg	ccattgctgc	240
accaggactg	caaggagtcc	ccacaccttg	gcagctcagg	gtccccagtc	caagcccttg	300
acctctctc	tatccagacc	cgcacagctg	tttctgtgt	ggatggggtc	aggttgtggg	360
ccatgccagg	cctgtcagct	gcgttgactg	actgcagcag	cttgccctcat	ggttttccct	420
ttttcttaga	atatttattc	ttcagaggta	acatgcagtt	gggtctcaag	acctttctct	480
caatcagccc	aacccagccc	agactgggct	tttctgggga	gctgaggagt	ttatcagtat	540
tcattctcca	tcctttcata	gtcacaagtt	ttgttatttt	gttttttttt	gggggtgatg	600

gtgtaattgt	taacctcatt	tccgttttct	acctgtttgc	ttccccccc	agtcctccgc	660
atgagctggt	gccctccagg	ggcctggcac	agctggcctt	ggggacgagg	gagaggactg	720
attcagggcc	ccctcagctg	tctcctccct	ccctctggaa	aggaggggtg	ggctcagggg	780
cctcaagctg	ggctctgtgt	gaggcctggc	ccccactccc	aaccttggct	ctagactgtt	840
actcttaagc	tttgagaaat	tttcacattg	atgactattt	taaaatcaaa	taaaactatt	900
ttactggtaa	aaaaaaaaaa	aaaaaactcg	agggggggccc	gtacccaatc	gcct	954

<210> 37

<211> 793

<212> DNA

<213> Homo sapiens

<400> 37

ggcacgagat	tttcttcatg	cagtattctc	agattggaaa	catgcttcat	gtttcttata	60
aataaccctc	aattatgagg	gcgtactttt	cactttgaag	aaaattgact	tgcatataag	120
tggctaacaa	ttctttctctg	ggcaggatgt	aaaattttcc	tctcctctaa	taccagtact	180
gttgagctca	cattctccca	cttttctctt	tttcagggtg	ttcacgtatt	tgggatttta	240
tgaaacctca	gaagcagaca	tggttaacttt	tcttatcttt	ttattccctg	aggtagtcct	300
ggggctctta	agagattaca	gttcttataaa	cctggaaagt	gacaccagag	aggtagatct	360
tagttcccaa	aattaaagtt	actttctagg	gcataaaacc	ttttcagaat	tcagattaaa	420
ttttatttat	tttttctttt	ttctgttaacc	ttatatattga	ggggaaaatt	ttattttcaa	480
cttttgcata	tatctaattt	aacatttggg	aaaactgtaa	atggggccaaa	gtttctccct	540
ttatatgatt	ttccagattt	ttaccacttt	cttagtgcca	cttgatgcta	ggcattgtct	600
attggagact	cactggtagc	taactgcagg	ttttaccatg	gaaccacata	tacacatgtc	660
ttggaattga	gggttagggg	ttccagaagg	acttagttgt	cctgtgcttt	tgtctgcccc	720
atgccaaaga	ccactaagaa	cagttttgta	agtgaactt	gggtctacac	gttaaaaaaa	780
aaaaaaaaaa	aaa					793

<210> 38

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (42)

<223> n equals a,t,g, or c

<400> 38

ccntgattnc	gccaaagctc	aaattacccc	tcacnaaggg	ancaaaaagct	ggagctccac	60
gcggtggcgg	ccgctctaga	actagtggat	ccccggggct	gcaggaattc	ggcacgasca	120

```
<210> 39
<211> 1263
<212> DNA
<213> Homo sapiens
```

<400>	39								
ggccgccectt	ttttttttttt	ttttttttaa	aaacaaaaca	ggttttaatg	gttaaaccag			60	
atgaattaat	aggtttataa	taaccattaa	ctaaggggaag	ccctagaaca	agaataaagg			120	
atttttaatt	gcatgcaaaa	cctagttagc	ataaaaaacca	atgcaatacc	aaaatatctc			180	
agcttoctag	catagactcc	aggctttttc	atbtcctaata	cttggcagtc	ataatatgta			240	
cactttcata	tgcacctggt	tgtggagggg	taagctcatt	cacataggac	tacaaatatc			300	
tctcacaggt	aggagggcac	aaaagaacaa	tatcttcttc	cacttttttg	ggtccattct			360	
gaaaaacaaa	aaaggcacte	ccaagggttc	cttggttaaca	cctttgttat	gtttcttaat			420	
tactaacata	atctttacat	gtaagggtta	tgggccactc	atctcataga	tctgggaacc			480	
atacggcatt	ggaactgcct	ttaactcaca	tgccaaacaa	ctggctttct	taaacaatga			540	
caaaaactgt	atacttgttt	taaaaacatt	tgggctttgt	ttccykgaca	acttatatat			600	
gcttaatcac	tggacttttg	catgcagagc	caaacatatc	atggaaactga	aagaaccaca			660	
atatgacatg	gtgacagaag	actctttgaa	tcattattct	gttttccact	atcagctgct			720	
ccagctccct	tatactaate	caactttgtc	cctcagagca	cccagctctc	gaacctaggt			780	
ttaatctctc	tgctgaaaga	tttattaaag	atacttagat	aaattaccaa	gtctttctct			840	
acgatcatca	aagagtaagg	gaagtcaaat	gctcatgggc	agttgtccac	tattoacaga			900	
atcttttagaa	actatttgcc	tgaggccaag	gagaatttgc	tttatcacta	aatctgacce			960	
atggtgagcc	atactaaaac	tgcacttggt	tactagtctc	aatcaaat	gagcttatgt			1020	
attgctctac	atctatttga	tcccatgctg	tgtgcaattt	ctgatgctga	ataagagaaa			1080	
tacggcaatt	naaaggcttc	accacaagcg	tcacattcca	tgggtttctc	tgggttttca			1140	
cctctgcatg	gatcttctga	tggttgacaa	gatgcgctgt	tgactgaaac	ttttgtcgca			1200	
cttctcacac	ttataagggt	tctctcctgt	gtgtattctc	tgatgctgaa	taagaccgga			1260	
gtt								1263	

```
<210> 40
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (7)  
<223> n equals a,t,g, or c
```

```
<400> 40
ggaattnccg gggtcgaccc acgcgtccgc ccacgcgtcc gccacgcgt ccgcaaatat      60
attggcagga gattatccag aacatctagg tgcaggtaaa cagttctaag tccaagaagt      120
```


tatggagggga	ttgatgctac	cactttctaag	tgttattttat	tctgaaggaa	ctgtatggga	180
ggagatcatt	gtttctggaa	gacagtacta	ttagttatat	agatgggttct	ttctgggttct	240
gaatgactaa	tcagtcattc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tgggtggaaga	taaatggcag	atgagaatcc	tgcattttaga	360
accttaagtc	tgattggatg	gcggaagaaa	tatagttgat	aagcataatt	ttaggttagtg	420
attcattttcc	aaaaaaaaa	aaaaaaaggg	cggcc			455

<210> 41
 <211> 1128
 <212> DNA
 <213> Homo sapiens

<400> 41						60
ttacaaatga	ttactacagg	aatagtgggc	acttaatgtc	agttactccg	gtggaagaat	120
ttatctagtt	tttttttttt	tctttttttg	aaggatgggtg	tgaaaaatag	caagatttaga	180
gaatgagttg	tatagttttt	tctatcacat	ttcatctaaa	atgatttgaa	ggacttttga	240
agatttttac	caacatcctt	aaatcaactc	caggttggat	gaacaactga	tttaaaacaa	300
actaagagaa	cattaactag	atgtggggctt	tttaaaatat	ataggtattg	catttcctac	360
cttggttattt	attccacttt	gaatacttta	gagggcttaa	ctttcaactc	tttaaggtag	420
taatggatag	ttttataactt	gttctcacaa	aattgttatg	gtcagtttat	atcattgtctc	480
catgcattga	ttataaaaaat	tcagtattaa	ttttttctga	tcttataagc	tttataggag	540
ttttctttttc	tcttataaaag	tgtttcacct	tatgtaaaac	aaatgcctgc	ttgcatattg	600
gaagatgttg	aaattagttt	tagacaaaag	tgggtccatca	attcagacac	tctgcttgga	660
tgcccttacc	ttttcattag	tgcatctttt	gcttctgaaa	cttggcagaa	actcgttagc	720
cagtccactg	cctttctgac	aatgtgtgga	gtcacgtatg	cttgggtatat	gcctttacta	780
cttttaaaagt	tctacagttt	attacttgcc	caagtgttac	taaatccttt	tcttatgtgt	840
actggatgga	gaaaaaatta	tagccagcac	tttgagagga	aagttttcag	aaacaatatt	900
aactggcact	actaactgaa	ggccacagga	gatgctatca	atgttatttg	taatctgaag	960
attgaacaag	gctgtgaggg	tcattttcaa	ctattttgag	gtgttaaaat	atataatgc	1020
tgttttctcag	ctgttccact	caaacctgtg	taggactctc	aaaggtaaaa	tgtcacaggg	1080
gctttttcagt	tgttacagag	ctcagcagct	gtgggtgccc	ctgttctaca	ccaatttcag	1128
ttcaataaaaa	atgttaactt	tgcaaaaaaa	aaaaaaaaaa	gggcggcc		

<210> 42
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 42						60
gaattcggca	cgaggcaata	tttgccctcac	ccaacaccac	aaagattttc	ttctgttttc	120
ttctagaact	tttttagttt	taggggtttat	atttaggtct	gtgatccatt	ttgaatcaat	180
attagcatat	gaggcaaagt	ggagatogaa	gttttttattt	ttccttatga	ataccagtt	240
gttccaacac	cacttattaa	aaacactata	ctttatccac	tgagtttggt	ttgtaccttc	300
atcaaaaacc	agttttcaat	atatctgtgg	attaaatttt	ttatttttat	gtttattttt	360
agagacggtc	tcactatggt	ttccaggctg	gtctcaaaact	cttgtectca	agtgatcctc	420
ccatcttggc	ctcctgagtc	gctgggagga	tcaggcagga	ggattttcttg	agcctgggag	480
gttgaggctg	cagttagccg	agattgtctc	actgcacttc	agcccgggca	atagagttag	540
atcctatctc	aaagaaaaaa	agagttattg	tgttatatct	tttttaattc	attttctttt	600
aaccctttat	atccttatat	ttaaactaga	gtttctgtca	agtgcactcc	agcctgggtga	648
caaagcaaga	ctccgcctca	aacacaaaaa	aaaaaaaaaa	aaactcga		

<210> 43
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 43
 tcgagttttt tttttttttt tttttgagac tgaatttcac tcttggtgcc caggctggag 60
 tgtaatggtg caatctcggc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa 120
 taaataaaat aaaattaaat taaaaaaaaa aaaaaaaagt ctgctttgaa aaccagtatc 180
 catagacttc tggcagtcac ttctgggggt taattttgga tgtgacaaag gtttgtttcc 240
 actggactta attttttcac atcgtcttaa cttttgaaaa cacagatata gtccttttgc 300
 tgaataaaat gaaaactcga gcctaaattt aaaggcatag atatttcctg gacttccagg 360
 acagtaatat catgtactac tttgtcaaaa aaattttctg gaggtttttc tagaggaaga 420
 aactaagata acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact 480
 catgtttcta gagaattttt tggtcatact atgtcatggg gttatttcct gggggcttca 540
 gttctgcttc agaattttct tagtagttat ctactgacct catctggtaa aattatagag 600
 gaagttacag tcgttaaagc ttctgtcaac tcgatttcta aaaattttat gtaaagagat 660
 attttaagag aaataagaaa ataggagatc agggc aaatg aatctaaaga tcttttagctt 720
 tactcgtgcc gaattc 736

<210> 44
 <211> 600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<400> 44
 gggtcgacct acgcgtccgc caaatcccag tctttaccat ttcatatcag gatcgttgtg 60
 tgagggaata acttggtttt ctgtcctcag tttttctcaa tttcaatcca tcttataaat 120
 ccagcaaaa ttaatttttc taaagacact tttagaattt ctgcaatagc tccttgagat 180
 caggatgcca gggatattca ttctgttcat gacactagct agcacatttg atcagcgctt 240
 gttaaacgat tctcaaccca aagatcactc ctagggaaaa agtctccaa tggcttcccg 300
 ttgccttcat ggtattaaac ctgcaattcc agagctcgat atttaaattt tttagggggc 360
 tggaattttc cataatactc cttggctatc tactaaacac taagtactag gcatacagaa 420
 ataacagata cacttgggtc aggcacgggtg gctcacgcct gtaatoctaa cactttggga 480
 ggccaagggt ggtggatcgc atgagctcaa gagttcaaga ctagcccagg caacaaagga 540
 tcctgtntnt acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggcgccgc 600

<210> 45
 <211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<400> 45
 aattcggcac gagaaaaaat aaaaaaaaaa agccagggtg ggtgggtgggc acctgtnatc 60
 tcagctacgt gggaggctga ggcaggagaa tctyttgaac ctaggaggca gaggttgcag 120

tgagccaaga	ttgtscacag	ctgggacgaca	ggtgaggctc	ttgtctcaaa	aaaaaaagtc	180
cacatcttca	tgaacccctca	gactctggag	ttgggtgtcg	gcttttttag	ccagcttttg	240
tgggaattgc	ctttgacctt	ttaaagaagg	aaagtgggta	atggagtcct	agccactcaa	300
gagactggat	atcccccgag	aatgggcttg	gttaccagct	atggaccctt	ggaagatgaa	360
tctaactcct	ctcactgggt	tttctttgca	aattcatttg	cttttatttt	tctaataaca	420
ataaactcta	ttttccatgt	tctcagggcc	cctgggtaga	cagacacagc	ttgatttcag	480
agcagacata	ggcgaagaaa	acatggcatt	gagtgtgctg	agtccagaca	aatgttattt	540
atatacacat	ccaaatttga	agagaaaatg	tatttcttta	ggtttcaaac	actgtaatat	600
atataaagca	aaaaataaaa	cctgttgcaa	agttcaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaaa	ggcgggcc				687

<210> 46
 <211> 697
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (97)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (394)
 <223> n equals a,t,g, or c

ggccgcccctt	tttttttttt	tttgataaaa	gaaaagattg	gtcttgtctc	tgtaaaactg	60
aggaacaatt	acttttagata	actgggtgta	gttttctnct	tctttcttga	cggaagcaaa	120
acagatatgg	gttctaccct	caagaagctt	tagatgaatc	agagatatag	acataaaaata	180
aagaactata	aaacaattca	ttacgcttat	gatagctgta	ataataaaaa	agtacaggga	240
acaataatat	catataacag	agggataaca	tcacacaggg	aacaacagta	tcacatagca	300
gggatatata	caaggatcct	aggtaacctg	gtctggatat	atacaaggat	cccgggtgac	360
ccgggtctggc	tggttaagagg	tttccctgag	aaancgatca	gtgagagctg	agagagaagc	420
aggcagagca	agktgatggg	gcaggggttg	ggagagagca	gaagcgtgac	ccaagagggt	480
cccaggccaa	aaccttttga	ctcagtgaat	ctgaaagaat	gcagaggggc	tgtgggtcaa	540
agctgcagct	ggaaaggtaa	gagggggccag	gcactgcagc	accatgtgga	tcacactata	600
aactttgaat	atcatcctaa	gagaaatggg	aaaccaatta	tggattttta	aaaggaaata	660
tttttatttc	cattttaacc	ggacgcgtgg	gtcgacc			697

<210> 47
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 47

ntnctagcac	tcaggagtc	aaaccattgc	ttttgggtta	gaatgcatga	agaacatgca	60
cgtctatctg	aactacaata	actttctgct	tartctactt	aggctaattg	tgaacatttg	120
ttcattcaca	caaccactgg	tggcagaaga	agagagacct	cttacaccac	tatagcatag	180
gagctgcaat	gtcacatgag	ttttaaaaga	tgctytttaa	agaaaaaaaa	aaacamgrag	240
sargaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaggg		286

<210> 48
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (843)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<400> 48	
ggccgccttt	tttttttttt
gatttttaaa	acaggctacc
aaacctttcg	tttccatatt
gaaaggaaaag	aaggaaacag
atgaagaaaag	agagatcatc
gggtaggaag	acaggcctta
cattgactag	ggctgtgagt
tggcaagtga	ttaaccactt
tacatcactc	taaacagcac
ggggagttaac	tcttctgggtg
agctgataaa	aatgtcaatt
taatgaggtc	atggttattt
acactaattt	tctgtcaaag
cgaccgggga	attcgggacc
agncgcnact	gtaaccct

<210> 49
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 49	
ggtcgaccca	cgcgctccgga
gccaccggcc	ggcattcaga
agcaggctgg	tctcggaac
cggtccctca	gcgcgcgcgc
ctgggagact	gaggcccgcg
gccgctggcg	tggactgcgg
gaatatttaa	aagatgcttc
aacctctgtt	caggagaagg
gaagtaaaaag	ttttcaagga
ggaggtcttc	tccattttgc
ataaaggctg	ataaggaggg
tttccaaatt	gcatcttggt

acagaggaaa	aaggtaatcc	agaaatagac	aacaagaaat	attacaagta	cagcaaagag	780
aagacattaa	agtggctgga	aaaaaagggt	aatcaaactg	tggcagcatt	aaaaaccaat	840
aatgtgaatg	tcagttcccc	ggtacagtca	actgcatttt	tctctggtga	ccaagcttcc	900
actgacaagg	aagaggatta	tattcgttat	gcccatggtc	tgatatctga	ctacatccct	960
aaagaattaa	gtgatgactt	atctaaatac	ttaaagcttc	cagaaccttc	agcctcattg	1020
ccaaatcctc	catcaaagaa	aataaagtta	tcagatgagc	ctgtagaagc	aaaagaagat	1080
tacactaagt	ttaatactaa	agatttgaag	actgaaaaga	aaaatagcaa	aatgactgca	1140
gctcagaagg	ctttggctaa	agttgacaag	agtggaatga	aaagtattga	tacctttttt	1200
ggggtaaaaa	ataaaaaaaaa	aattggaaag	gtttgaaact	ttgaaaataa	aatctagcaa	1260
aaataaaaaa	aaaaaaaaaaa	aaaaaaaaaaa	aaaaaaaaaag	ggcgggcc		1307

<210> 50
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 50		
aaaaattgga	gacactgttt aacttctgtg catggactcc atcagcakct acaaagccay 60	
tgggaggctg	aggatcactt gagcccagaa gtttgaggct gtagtaagct tcaaaggcca 120	
ctgcactcta	gcttgggtga ggcaagacc tttcaagcag taagctgcat gcttgcttgt 180	
tgtggctcatt	aaaaacccta gtttaggata acaggtctgc ctgcatttct tcaatcatga 240	
attctgagtc	ctttgcttct ttaaaacttg ctccacacag tgtagtcaag ccgactctcc 300	
atacctttta	aaggatatgac aggaactgtc ttcattgtcct tacccaagca agtcatccat 360	
ggataaaaaa	gttaccagga gcagaaccat taagctggtc caggcaagtt ggactccacc 420	
atttcaactt	ccagctttct gtctaattgcc tgtgtgccaa tggcttgagt taggcttgct 480	
ctttaggact	tcagtagcta ttctcatcct tccttgggga cacaactgtc cataagggtgc 540	
tatccagagc	cacactgcat ctgcacccag caccatacct cacaggagtc gactcctact 600	
cttagn		606

<210> 51
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<400> 51	
gggcncccca	aaaattcccc cnrggttttt tttttttttt tttgttttca agaagaaaga 60
agcaatgcag	caaagtgggtg cagaacacag gagctggagc cattcagacc caagtccaac 120
tcttgacctc	gcccactttc tctacagtcc tgagcaatta cacctgccaa gcaccttccc 180
aatggacaga	ctggcaggcc ctactcccaa caggcatcca gactgagcat caccaaggat 240
gggacaaaca	gaagcaatgc aagaggaaat gcgaacacga acatgcacca ctacaccaca 300
acctatggaa	acaatcaggc aaaacaagac taggagacat atgacaagaa aacaggcctg 360

gacgcttcaa	aaatgccaat	gtcacgaaag	acaaaaactg	ggcatgctct	tctggatcaa	420
aggagactaa	agagatataa	caaccaaaca	caataaaaact	atcctagatt	acatcctgga	480
tttttttaaaa	gcaaaaaaga	acaatttggt	aacaactggg	gaaagtgtta	atgtgggtac	540
atttttaa						547

<210> 52
 <211> 865
 <212> DNA
 <213> Homo sapiens

<400> 52						
gctgaatata	aggaaatatg	tctaattggac	accagttaat	acttttttaa	actactcttt	60
aaaaaaaaaa	tacgttcccc	ttggtttaact	gatttttttaa	tccaggggtg	acattttttc	120
aaccttttatt	aaaaagacaa	ataaactatt	ttgtagaaga	tcagactcct	acttaactgg	180
aagagaaatg	tctattaaat	gtctctcctc	tttctctggg	tcaagaccat	gtaattttat	240
gcttcagaga	tgaagatact	gtttgtttac	aaagagttaa	gtttttaaga	catccaaaac	300
tctatgctag	agcaaaaatc	aaatagcaaa	ggacactagc	cagaaaatac	agtgtgtgtg	360
tgtgcacctt	tgtgcctgct	gaacaacttg	acagtgtaac	agataaggta	actgaagatg	420
gtggatatatt	gaattgtatt	agcttaaatgt	ctacatatct	ttggccaaaa	ctctattgtc	480
atattagaaa	catgttatct	tttcatgttt	tattagtaat	ttatttttga	ttctttgttt	540
tctttttcgt	ccaactaaaa	caactgtaat	gtacttgata	catttatatc	aagttctaaa	600
gtatttagac	aaatccaaat	actttgtttt	tagttttttc	ctcctttcca	tcctgttaac	660
cacagtgaag	cgctgcagta	ttttgatttg	gtcagtgcta	cggaggaaga	ccatgaaagc	720
tgaattgggt	tgtgccaccc	agagtaaacc	tcttctcttc	ttctggaaag	atggcgtgat	780
gtttttcaag	gattctaata	aatatcccg	agtcactctc	tgaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaagg	cggcc				865

<210> 53
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (309)
 <223> n equals a,t,g, or c

<400> 53						
tcgacccacg	cgtccgattt	tctgataaga	cgattactaa	gacaaaacttc	tatcctttta	60
cttagtaagc	atcatgacat	catatataat	caacctatct	ttcttcttac	ctttggcaac	120
tcggaaggtc	agtgtctaag	cttgtgggta	accctagtag	tgacatccct	tcttatgtct	180
tagtaatcgt	cttatcagaa	aatatcatat	aaaataaaca	caaagtaaag	tttttactta	240
aaaagatctg	tagatatctt	actaactcta	ttaatgcttt	ggtaatagct	atttaactta	300
taatcctgnc	ctagatcaag	ttttgaggcc	tcagtgttat	tcattccttg	ggctaagagc	360
cactgaaatg	ggataattat	tgggtacagtt	acttcctcct	tttaaatggg	ttctgttctg	420
ccattttactc	tttatttgaa	attgccttct	tttaaaagtt	attcttaata	ttgtaagcta	480
tttgaaaata	ggtgagccat	aaaaataaat	attaataatg	tattttcta	tatcttatct	540
aacaaaaata	ataataaata	tccacttttag	aaaatttgga	aaatcatgaa	ggtataaata	600
ctaaaatcga	aattctctat	aagatcaata	ttcagatttg	acctcaggca	aacacagaaa	660
ttaaagttaa	aaaaaaaaaa	aggggggcc				689

<210> 54
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 54
 tanntgnatc cccccgggcn tgccaggaat tcggcacgag ttacaactgg tggaccacac 60
 accaggcact aatcacctgg tgaggatttg gcatatccac caaaaaatgc atccgatttta 120
 accaacatct ccaccagcgc tacggaactcc toccaattct gacatctctt gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaaggtgatc tgcactgtat cttggggtttg 240
 ttggctatgc ttcttttgat gacatatatt atacagtata tatatacata tattttwww 300
 gttagagttc tagccatttt atttctccgc agggtccttt ctcagacatt actgcatgct 360
 gtatatggcg ttagctgtgt gttgatcttc taaaagatga tagagtttac tggtaattgt 420
 gtaatcagct cctgcctttt tattttcttg gggtatttac atgtcagaga catttataaa 480
 aagtgaagg ataaaaaaaa aaaaaaaaaa ctoga 515

<210> 55
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 55
 aaaaaggaag aaaagaaaaa aaggaaacca gccctgtcat ggaatttctc tccttccctg 60
 cacagtaaag acttttgggt tttcatggat aaaatcaatg tcagtactga aactcctaatt 120
 ctccccctcc gccccactct cccccgttgc ccgagatggc caagttcagg cctgtgcaat 180
 gccgcttccc tctgagcctc cctctcaagg gccacgcagg cagctgcagc agggccagct 240
 gcaggatggg gctgccgggc actgaattgt cgttcaaatg catcatcttt gtggcgtctt 300
 tctcatgcga gcaaagccac gtgctctcct gtctgtctgc acatctgtgc ctggattgct 360
 taaatattgt ttgtgatggg gaggttttaa tctgggtgatg cagagggaag cagggctgtg 420
 ggggcacggt taattggctc ccagcagcgt ggggagtgtc tctatggtgt gtgggggttt 480
 ttgttgctc cctctagaag tgttacggtt ttcacgtcct attaatgtcc tctgggtgtt 540
 aaattacagc agcacattac agtgcactgg gttccctcct ggagtgaata caaacggagg 600
 gcatctactt gtatttttag aagttttggg agaatttagt gatttgtggc twtgatcaat 660
 cctgttgact ggtgtatgtc tgcgcaaacc tgtttcaaat aaatcttttg ttaaagtaaa 720
 aaaaaaaaaa aaaaaaaaaa aactcga 747

<210> 56
 <211> 676
 <212> DNA
 <213> Homo sapiens

<400> 56
 gaattcggca cgaggacgag gtaaaattat tagaatggag tatgtcatca ggtcttttcc 60
 tagtcctttt ctgcttcctg tgtgtctttg taggtttctt tgatttccat tgttggtgtg 120
 atatttttggg aaaaagcagc tgactcacat cccatccaaa tccccagtgc ccttcagatc 180
 cttcacaaat ttggcattca gccactcct tgccaattgc ttcttttctt cccaattccc 240
 acatgtctcc ttctacgcc atctgcttct cctcccttcc ttcgattagt gctttcgtct 300
 gctcttccaa tttctttcat tgttcaatgt cttttgcttc ctcttcccc tctctcccc 360
 tagaggaaat taacatactt aatacagctg atgtcataaa gccccttttc cctaagaagt 420
 taaattttctg tttctgcaaa ataaatacat agctctgttg tgtgaaggtc aaaggaaacc 480
 tgagtagtaa acctgaaata gatttttttg gggttcatct tacataaagt gtcaatgcat 540
 attatgtatt ctattttatt tccaaaataa attttctatt tgggatttaa atatggtaag 600
 tcaacacaac tttattgtac cagtcattgg attgaataaa tgacttaaaa ataaaaaaaa 660
 aaaaaaaaaa actcga 676

<210> 57
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 57
 aaccgcgtgg cccaatggca gcgtcctaca gtgtagcctc cgcctccga ttgactggcc 60
 tgcttgcaaa ggcaagtagc ggcggcgtt caagatgogc tgcctgacca cgcctatgct 120
 gctgcggggc ctggcccagg ctgcacgtgc aggacctcct ggtggccgga gcctccacag 180
 cagtgcagtg gcagccacct acaagtatgt gaacatgcag gatcccgaga tggacatgaa 240
 gtcagtgact gaccgggcag cccgcacct gctgtggact gagctcttcc gaggcctggg 300
 catgaccctg agctacctgt tccgggaacc ggccaccatc aactaccctg tcgagaaggg 360
 cccgctgagc cctcgcttcc gtggggagca tgcgtgogc cggtagccat ccggggagga 420
 gcgttgcaat gcttgcaagc tctgcgagc catctgccc gccaggcca tcamcatcga 480
 ggctgagcca agagctgat gcagccgccc gaccaccgc tatgacatcg acatgaccaa 540
 gtgcatctac tgcggcttct gccaggagc ctgtcccgct gatgccatcg tcgagggccc 600
 caactttgag ttctccacgg agaccatga ggagctgctg tacaacaagg agaagttgct 660
 caacaacggg gacaagtggg aggccgagat cgccgccaac atccaggctg actacttgta 720
 tcggtgacgc cccaccggcc tgcagcccct gctgccaat aaaaccactc cgaccccaaa 780
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggcgg cc 832

<210> 58
 <211> 1003
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (700)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (758)
 <223> n equals a,t,g, or c

<400> 58

```

ggtcgaccca cgcgtccgga ggcccgcagc ccggggcggcg cagggttagag cgcgcgggac      60
ccggccacgc agcccgggga ctcccgggcc ctcccggagc cccgcgggggt ccccgcctg      120
catccggcgg gctcagggag cgagtgggag cgccctcccc ccgctgcccg ctcccccgag      180
catcgagaca agatgctgcc cgggctcagg cgcttctgctg aagctccccg ctcggcctgc      240
ctcctgctga tgctcctggc cctgcccttg gcggccccc gctgycccat gctctgcacc      300
tgctactcat cccgcgccac cgtgaagctg ccaggccaac aacttctcct ctgtgccgct      360
gtccctgcca cccagcactc agcgactctt cctgcagaac aacctcatcc gcacgctgcg      420
gncaggcacc tttgggtcca acctgctcac cctgtggctc ttctccaaca acctctccac      480
catctacccg ggcacttttc gccacttgca agccctggag gatctggacc tcggtgacaa      540
ccggtacctg cgctcgctgg agcccgcac cttccarggc ctggagcggc tgcagtcgct      600
gcatttgtag cgtgccagct cagcarcstg cccggcaaca tcttccgagg cctggtcagc      660
ctgcagtagc tctacctcca ggagaacagc ctgctccacn tacaggatga cttgttcgcg      720
gacttgacca acctgagcca cctcttcttc cacggganag cctgcggctg ctcacagagc      780
acgtgttttc cggcctgggc agcctggacc ggctgctgct gcacgggaac cggctgcagg      840
gcgtgcaccg cgcggccttc cgcggcctca gccgcctcac catcctctac ctgttcaaca      900
acagcctggc ctgytgccc ggcgaggcgs tcgcgcacct gccctcgtc gagttrctgc      960
ggctcaacgc taacccttg gcgtgcgact gccgcgcgcg gcc      1003

```

<210> 59

<211> 702

<212> DNA

<213> Homo sapiens

<400> 59

```

gaattcggca cgagctgggt catggatttt gagaatcttt tctcaaaacc cccaacccg      60
gccctcggca aaacggccac ggactctgac gaaagaatcg atgatgaaat agatacagaa      120
gttgaagaaa cacaagaaga gaaaattaaa ctggagtgcg agcaaattcc caaaaaattt      180
agacactctg caatatcacc aaaaagttcg ctgcatagaa aatcaagaag taaggactat      240
gatgtatata gtgataatga tatctgcagt caggaatcag aagataattt tgccaaagag      300
cttcaacagt acatacaagc cagagaaatg gcaaatgctg ctcaacctga agaactctaca      360
aagaaagaag gagtaaaaga taccacacag gctgctaacc aaaaaataa aaatcttaaa      420
gctggtcaca agaatggcaa acagaagaaa atgaagcgaa aatggcctgg ccctggaaac      480
aaaggatcaa atgctttgct gaggaacagc ggctcacagg aagaggatgg taaacctaaa      540
gagaagcagc agcatttgag tcaggcattc atcaaccaac atacagtgga acgcaagggg      600
aaacaaattt gtaaattatt tcttgaaagg aaatgtatta agggagacca gtgtaaat      660
gatcatgatg cagagataga aaaaaaaaaa aaaaaaactc ga      702

```

<210> 60

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (556)

<223> n equals a,t,g, or c

<400> 60

```

cccgggcagg aggggtcaggg ccagatggag gggccacca ggcacatggg aagatgctgg      60
ggggtgacga ggagaaggtt ttgcttctta cgaacgccac ggccgtnttc acttctaaac      120
taaaggaaac aaagcaatag gtttggggga cgcccagccc ccaccccggt caccocgctc      180
ttcccaagtc ctgcaccccc gnccggcctc ctagcctctc cgcccacgcg gctgctgctt      240
ctccctgggg aggacccctg ccctcgcca ttgaacactg caccctccac aggagccgca      300
gaggcccgag gcacccggag ctggagaccc tgcgcccctg ccacgaccc cctccgtggg      360
cagctcctcg ggtggggcct gcgggggttc ctgcgcgcac tggcgcgtgt gtggcctaata      420
ccacctggtg gccctgcggg gcggcatccg agccctgtt tctcctccat tcatgtttaa      480
tttgcatcac aatttggtga atctcaggta aatgaggtct ttgcatttaa tgagttttat      540
cttgacaggc gccgntcgc ccccgggccc ttctgtccac akcaaaaatg catcaagtct      600
ccacgtgttt cgggccaggg cgtggcttgg cattgacctt catgacctta catagcttta      660
gagaagccat aacgttagac tgcaataacta acgaccgacg cccctccggg cagagaccac      720
cgcgccctc tgcgcccag cgacgcggcc cgcggggacg tcgctgtccg tctgtctcgc      780
cctgtgccct ctactgact tctccgggt cgtgtctttt aaaaactcct gttttcacac      840
cttacaaaag cagctctgag cagacagggc gtcctctcgt agaacctgcg caccocgttc      900
ccagcgcagc gcgccccggg ccgcgagctt agcttagacc gtggtgtcct ctgtccgtct      960
gtctgcgc tgcgctcct cctgcagtc ggggccccct cgtgtgttct ctccggatgg      1020
aatcacagcc aataaacacc agtgatttca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa      1080
aaaaaaaaa aaaaaa

```

<210> 61

<211> 867

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (831)

<223> n equals a,t,g, or c

<400> 61

```

tcgagttttt tttttttttt tttttaagta gagatggggg ttcaccgtgt tagccaggat      60
ggtctcgaac tcttgacctc gtgatccgcc cgctcgggcc tcccaaagt ctgggattac      120
aggcatgagc cactgcgccc agccggtctt tttaaacatt cccaggact gtacagccaa      180
cccatactca cctgacattt gggaactccc cccacgggcc ataactgac tgcagaggta      240
agaccaagag caagaatggg ggattcacat ctaaggctct gtgatggctg atgaaggaag      300
aagaatcagc gaacaaaagc ctctaggtct ttcttaacc aaacacctct ctgcccactc      360
gctttgaaag gggcagaagt atagtgggag agctgcccac ctgctacagt gaagggatct      420
ggagaaatac tcacactttg aggtgctcgc cctcttcac agccagctct aacttaagcc      480
aatgacccca cgggagctta cacaagtyca aacaggccca aatgcattca tgagcagggg      540
gaggccaaag gactccggag gagagaggcc caataaggct ggtgctattt ccgatccata      600
gagagagcag aggtgggag gcccttttga ttaatgtatc attcttgaat gcaagcttca      660
aaatccgggt atgocgggtg agaatgagca ggactaacac ctgggtgtca tggcaagcct      720
ccagggccga ctggccagag acagatccgc aagaggctct gcagccagct ctggtgccaa      780
gccactcgga tttgaacccc ggctcctcaa ggtcagctgt gtagccttga ntgaaycacc      840
tgctatgacc aatctcgtgc cgaattc

```

<210> 62

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 62

tctgaagggtc	tcagcttccct	agatgtttcta	cactcttccct	gaccatttttc	actgaaccct	60
atttgatttta	ctgaaagcat	atttactaat	tgtttgcact	taaagggtgct	tttatacctag	120
aataaacaat	gcttttataaa	caattcacta	ttctaaattg	atactggctt	aagatgttgt	180
tccagtggtca	ggtattgttta	tcgattttttt	ctttccctaga	acctgtccctt	tccagtggct	240
ccagtagact	tgtatttttat	aatcttttcaa	atattatgta	gcttggttaaa	cttcccatca	300
tgatcttgtt	cagttttctca	actcatttgc	aaaagagatg	actagcatgg	gagcctggat	360
tccagtatct	gttttagtgc	cttattagtg	cctcttagct	taggttctttt	tgatgattca	420
gcgtccagat	aatccaaggg	agtgactgta	atcatagggg	tttctagtag	aatgcaatca	480
tgagccctt	aggaagtttt	ggtcaataat	aaaccacaca	taggggtggg	gtcccctaag	540
attataatga	agctagaaaa	ttcctcttcc	ctagttaggt	gtagccatcc	cacactatag	600
tagtgcaacg	cgttactcac	tgtgtttgtg	atgatgctgg	tgtaacaaa	cccgcactac	660
cagttgtata	aaagtatagc	atgtacatac	atttatatgt	agtacatata	ttgataataa	720
atggctgtgt	tactggctta	tgtattttact	atgttttttta	attgttatttt	tacagagtac	780
atcttctact	tattaaaaga	agttaactgt	aaaacatcct	caggcagggtc	cttcaggggg	840
tattccagaa	aaaggcattg	ttatcgtagg	tgatgacagc	cctatgcacg	tttttcacca	900
gtgggatgaa	atatggagat	ggaagacagt	gatattgatg	atcctgatct	ttgcaggcct	960
aggctaattg	gtgtttgtgt	cttataagaa	aaaggattaa	aaaagaaaga	attttttaaat	1020
ggaaaaaagc	ttatagaata	tgaatataag	gaaagaaaat	atttttgtac	aactatacaa	1080
tgtgttggtg	ttgtaaacta	aatgtttatta	caaaaaaaa	aaaaaaaaac	tcga	1134

<210> 63
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 63						
ctcaggggta	cagtacaaaa	ccaaggttga	tggtaccact	taaaatggac	tctatcacag	60
tgcacataag	gagcaccaac	ggacctatcg	atgtctattt	gtgtgaagtg	gagcagggtc	120
agaccagtaa	caaaaggctc	gaagggtgctg	ggacctcttc	atctgagagc	actcatccag	180
aaggccctga	ggaagaagaa	aatcctcagc	aaagtgaaga	attgcttgaa	gtaagcaact	240
gatggcattt	gagaatttat	gtatcactga	gttttttggg	aatatcttcg	tggaagaatta	300
cgcatcaaat	ttgatttctca	gagcaataaa	ttatccatga	agtgcctcgc	ttctcagtag	360
cggcatcatg	gccagtagtg	tcttttagga	gttcaccact	tagattactg	agtaattgtg	420
gtttccacat	ttgaaaacaa	ctccttttat	aattattcac	tgctttttgt	cagtgaataa	480
gacatcttgc	ctcctgaagt	agcttcatca	cagagtgtca	tgaagacaga	cagtcaggct	540
gaaatggaca	gttctttgtg	gactctaccc	ttcccttcaa	ggagtatgtc	atatacaca	600
aaagaaattg	ccttacctg	gttcatgttt	gcagttactg	ttgtacattg	catagatgta	660
cacacgaatt	taaatgtgat	gtctttgtat	atatctgtat	aatgttgaga	ttacttacga	720
aatatgtctg	agtgcactt	ttcacccttg	tacagccaaa	ataatgtata	tatggaaagt	780
gacagacaaa	ttctctaato	tcttttggtay	ctataactta	ttagaatcct	ctggatgaag	840
gttagaagag	actttttcca	aacttctaca	tgtagaagta	tcataaatgt	gctacacatt	900
tatgtttgtg	gatttaatta	aagtattttta	atatggtttt	cagtgctaaa	attggagtca	960
gatacttctt	ggttttaagc	tgtctaccta	attgctgtct	cccagcagac	tggtggcatg	1020
cccagtggtt	ttgggggcaa	ggatagaaat	gccatcagga	aatagctgaa	ttcattgtga	1080
aacatgaatt	cagtcatggt	gataattgga	aactcctttc	aggtttttgc	aagtagattt	1140
tgtaatgttt	gtgtatgcag	ccttgctgtt	gagtcagtcc	aaggggtttt	acttaggaca	1200
agttgtacct	tgccctctct	ccagctctgc	tcccacattt	tcacatacct	agctgtttct	1260
acctcattgg	gtaagtcatt	taccactctg	tgccctcagt	tactctgtag	tttaccatta	1320
gactgtgagc	tccttgaggg	acttttgtcat	aatcactgtt	acatcccagt	gcctcacacc	1380
atgcctggcc	cttaagaagt	gctcaataaa	tgtctgaaca	aataaaaaaa	aaaaaaaaaa	1440
ggcgggcc						1448

<210> 64
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (354)
 <223> n equals a,t,g, or c

<400> 64
 tcgacccacg cgtccgagca tattaggatt atatgtagat ttgtatgtat tttgcattat 60
 gtacttcagt ctccagtttt tattattctc accttccgtt ttattcttgg cgaggaaaaa 120
 atgcactaga aataatacat taaactgact cttagtctta atgtacgctt gctgtcttaa 180
 atagggtgat tgagtccaac agactcaatc atacatgtca tacatgttta tgattaagag 240
 atattctttt tgtgtgctag ttgattttgc cgagaaaaaa tgaagaagaa ttcaagaaga 300
 gatgagggtg ggtaagctct cagagcattt ctgtctgccc atttgggttct atgncttatg 360
 tgggctgcta atgtgactaa ttcagagtgt tgtatttcca catctgtgga ttccaccatg 420
 gaaaagggtg gctaccattg gtccttatat ggctttatta gaaaaataga cattctatcg 480
 tttgtctgcc cagtggccag agtcttggtg aacaacagag ctcatgggaa aycagcctct 540
 ctcagggcac cccgctatga ggatattgaa atatgttcaa tcatttctca tctcccttgg 600
 aatgtaattc cctgcccctat acaaaatagg atattccaat gcgctatttg aatctaggga 660
 ttgaggattt gtagttgagt tttgggttaa aggccttggt cattgccatg gaagaataaa 720
 agttatttat taaaaaaaaa aaaaaaaagg gcggcc 756

<210> 65
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (472)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (493)
 <223> n equals a,t,g, or c

<400> 65
 ccgtgatgtg gcgcctgcac antcctttcc ctttcggatt cccgacgctg tgggtgctgt 60
 aagggtgctt cctgcgcca caccggcgct gccatggtga agctgagcaa agaggccaag 120
 cagagactac agcagctctt caagggggagc cagtttgcca ttcgctgggg ctttatccct 180
 cttgtgattt acctgggatt taagaggggt gcagatcccg gaatgcctga accaactgtt 240
 ttgagcctac tttggggata aaggattatt tggctctctg gatttggagg caatcagcgg 300
 acagcatgga agatgtgtgc tctggctcgg ataagagatg ggacatcatt cagtcactag 360
 ttgatggca caaggctctt cacagacgca tctgtagcag agtggawctt gtactaactt 420
 atgatagaat gtatcagaat aaatgttttt aacagtgtwa aaaaaaaaaa rnaggrgng 480
 agtgggtggg gtngag 496

<210> 66
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> n equals a,t,g, or c

<400> 66
 gcagggtaccc gggtcenggaa ttccccgggtc gacccacgcg tccgggtatct ttttattggg 60
 gtggggaaaag gggcaaaaag aatgatctta gtgtctttac ctttctcata ttaactcacc 120
 tctttattct gtggtctttt ctgaatagaa atgtatgccc taggaagaaa tcatgctggg 180
 ttttgctttt agagataaaa ggtgggtgat ttattttgcc tgcagtaaag attctcaggg 240
 tgtcagagca gcatattgtc aaatcctgct tctgttttat gtttcagtgt attcactttc 300
 attttcttac ttactagacc atttctgcag ttggccaaa cctctactgt ttgggacagt 360
 aagccaaata cctcattttt aaaaagaagt ttcatggca tcagtgttaa taaagtacat 420
 ttttaactga gtcttaattc ctatttgaag aaaaagtaga gacaaaagta atgtcaatgt 480
 aatccccagg atcatgaaat gtatacaaaa taaataaagt aggagagtta aaaaaaaaaa 540
 aaaaaaaaaa ggcgggcc 557

<210> 67
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 67
 ggtcgaccca cggtccgat aatgtgtagc tactgtatgc cttatttaat tatttttttg 60
 agtgtcattc acaatcacaa aacgataccc ttactgaaag tgtagtgga taaacttaat 120
 tgcataatta cggacctgtg tatttcaga gatgatgtt tccccactac atgttaagat 180
 gtacgtatct aatgacaatg ctgtttgttg tatgagaact tgagacagaa gatttagtag 240
 gattatccag tgacagtcag tacagggtgc gattaagctg tccttctggc tcttggcctg 300
 gtatatgttt gtctctggcc atgcagttac agaatagggc aggtggcatg tttatatatg 360
 cctttgatct cacagaagtt ggtgagcttt cctaagtggg gaattttaga gctagatagg 420
 attgttgttg gagagggggc agggaatgga gagttgattc ttcactcttc tgtggtgcag 480
 ttgaatttac atgtagctgg aactgatttt ccaagggatt atgatggcaa tgagcttaga 540
 agattggttg ggtttttagca cttcagaatt ggatcccttg ccggaaccct tgctaagagg 600
 gagtggactt gtatttggtg cagagaccaa aaaaaaaaaa aaaaaaaggg sggccccctc 660
 caagggggcc ccaa 674

<210> 68
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (345)
 <223> n equals a,t,g, or c

<400> 68
 tcgacccacg cgtccgagat cttcagcaga aagatattgg tgtgaaaccg gagttcagct 60
 ttaacatacc tegtgccaaa agagagctgg ctcagctgaa caaatgcacc tccccacagc 120
 agaagcttgt ctgcttgcca aaagtgggtg agctcattac acagtctcca agccagagag 180

tgaacctgga	gaccatgtgt	gctgatgatc	tgctatcagt	cctgttatac	ttgcttgtga	240
aaacggagat	ccctaattgg	atggcaaat	tgagttacat	caaaaacttc	aggttttagca	300
gcttggcaaa	ggatgaactg	gggatactgc	ctgacctcat	tcgangctgc	ccattgaata	360
ttcggcaagg	aagcctctct	gctaaacccc	ctgagtctga	gggatttggg	gacaggctgt	420
tccttaagca	gagaatgagc	ttactctctc	agatgacttc	gtctcccacc	gactgcctgt	480
ttaaggctga	tgctctatta	gaataaaaga	ggatccccta	gtccatagca	agtataaaaa	540
taataataaa	taaaaaaata	acaagatgaa	gctgggcatg	gtgggtgtgca	cttgtagtcc	600
cagctatatg	ggaggctgag	gtgggaggat	cacttgagcc	cgagagggtg	aggctgcagt	660
gagctctgat	tgtgccactc	tactccagcc	tgggcaacat	agcaagacct	tgtttctaaa	720
aaaataaata	aataaattct	gttatttgtc	accctgtagg	gattcactga	aaaaaaaaaa	780
aaaaaagggc	ggcc					794

<210> 69

<211> 1915

<212> DNA

<213> Homo sapiens

<400> 69

gaattcggca	cgagcttaaa	tgttcgacag	ctcaaagctg	ggaccaaatt	agtgtcctca	60
ctagcagaat	gtggggctca	aggagttaca	ggactgctac	aagcaggagt	gatcagtgga	120
ttatttgaac	ttctgtttgc	tgatcacgta	tcactctctc	ttaagttaaa	tgctttttaa	180
gctttggaca	gtgtcattag	tatgacagaa	ggaatggaag	ctttttttaa	gaggtaggca	240
gaatgaaaaa	agtggttatc	aaaagcttct	ggaactcata	cttttagatc	agactgtgag	300
ggttggttact	gctgggttcag	ctattctcca	aaaatgccat	ttctatgaag	tcttgtcaga	360
gattaaaaga	cttgggtgacc	atttagcaga	gaagacttca	wctcttccta	accacagtga	420
acctgatcac	gacacagatg	ctggacttga	gagaacaaaac	ccagaatatg	aaaatgaggt	480
ggaagcttct	atggatatgg	atcttttggg	atcctcaaat	ataagtgaag	gggaaataga	540
aaggcttatt	aacctcctag	aagaagtttt	tcattttaatg	gaaactgccc	ctcatacaat	600
gatccaacaa	cctgtttaagt	ctttcccaac	gatggcacga	attactggac	ctccagagag	660
ggatgatcca	tacctgttct	tcttttagata	tcttcacagt	catcaettct	tggagttggt	720
taccttgctt	ctgtcaattc	cagtaacaag	tgctcacccct	ggtgtgctgc	aagccacaaa	780
agatgttttg	aagtttcttg	cacagtcaca	gaagggtctt	ctttttttta	tgctggaata	840
tgaagcaaca	atattattgat	ccgagctctg	tgctactttt	atgatcaaga	tgaggaggaa	900
ggtctccaat	ctgatggtgt	tattgatgat	gcatttgctt	tgtggctaca	ggactcaaca	960
cagacattgc	aatgtattac	agaactgttc	agccattttc	agcgttgtac	agccagtga	1020
gaaacagacc	attcagatct	cttgggaacc	ctgcacaatc	tttatttgat	tacttytaat	1080
cctgtgggaa	gatcagctgt	tggccatggt	tttagtctgg	agaaaaatct	ccaaagtctt	1140
attactctaa	tggagtacta	ttcctcaaga	tgggaatacct	ccaccaaaaac	ggccactcaa	1200
agtatcacag	aagatttctt	cccgtggtgg	gttttccaggc	aatagaggag	gacgggggtgc	1260
tttccacagt	cagaataggt	ttttcacacc	acctgcttca	aaaggaaaact	acagtcgttg	1320
ggaaggaaca	agaggctcca	gttggagtgc	tcagaatact	cctcgaggaa	attacaatga	1380
aagtcgtgga	ggccagagca	attttaacag	aggccctctt	ccaccattac	gaccccttag	1440
ttctacagg	taccgcccac	gtcctcggga	cctgtcttct	agaggctctg	ggggacttgg	1500
accttccctg	gctagtgcaa	atagcggcag	tggaggctca	agaggaaaagt	ttgttagtgg	1560
aggcagtgg	agaggctctc	atgtacgctc	ctttacacga	taaaaaatcct	tttggaaca	1620
tcttaactgt	atatgaacat	ttcacgagga	caataaaaaat	aagacattga	aggaccaatt	1680
tagacttagc	agttatctgg	agacatctga	gagaatatatt	ttatctgaag	aaagcagaat	1740
ttgtttgata	cctaacaaga	tttcaataaa	aatccaaact	ttgtatgtac	gtttgtatat	1800
attttccctt	ttttgtatga	ctatttattt	agaaaatttc	taggtgaaaa	actaaatgat	1860
gttttgtatt	tttcttgctt	atagcacaga	tattctcaaa	ctttctcagc	tcatg	1915

<210> 70

<211> 733

<212> DNA

<213> Homo sapiens

<223> n equals a,t,g, or c

gcnnggtggcg	gccrctcgt	agaactagt	gatccccckg	ggctgcagga	attcggcacg	60
agggcggtt	catcatgaag	caaacgcggc	tgaaccccc	agtggctctc	attcttctcc	120
aacccctttc	aagaccagg	gatgggtc	gcaattctgt	tttaataatt	ttgcattctg	180
tcccttaa	cataaagaga	gcccccaatc	tgtaaagctt	ctgatccac	acaacctctc	240
agggctccag	ggtcctgagg	aggatggcca	ggtcactgtg	ggcctgtgg	ggagccagcg	300
ggcaccagg	gcttcctggt	gggcaggtc	cctggctata	gactgagcca	gamma	360
agcytccgat	ctccaggccc	ctgcggtgag	ggccccaatg	cccctgataa	ggctctgctc	420
ctaaagggct	gttggccttg	aaagaagctgc	tctcctgcct	cagtttccam	ttcaggatgg	480
agacatgaat	gagagaagt	tccctgaaac	tctgatggc	tttccatttc	ctggtttctc	540
gtcttttctg	aggetgaatt	cttcgcctgc	tttctctgag	atccctcact	ttcctgcca	600
gaaatttctc	tcttagtctg	ttcagagtga	agtgc aaatc	aaaataaaaa	agtgc aagtt	660
caaagtgc	aaataacaaa	caaacaaact	ttggctaagg	aaaaccaa	caaaaaaa	720
aaaaaaaa	ctc					733

<213> Homo sapiens

cccatgtcgg	ccttgaggcg	ctcgggtctac	ggccccagtg	acgggtccgtc	ctacggccgc	60
tactacgggc	ctgggggtgg	agatgtgccg	gtacacccac	ctccaccctt	atatcctctt	120
cgccctgaac	ctccccagcc	tcccatttcc	tggcgggtgc	gcggggggcg	cccggcggag	180
accacctggc	tgggagaagg	cggaggaggc	gatggctact	atccctcggg	aggcgctgg	240
ccagagcctg	gtcgagccgg	aggaagccac	cagagtttga	attcttatac	aaatggagcg	300
tatggtccaa	cataccccc	aggccctggg	gcaaatactg	ccttcatact	caggggctta	360
wtatgcacct	ggtttatactc	agaccagtta	ctycacagaa	ttccaagtac	ttaccgttca	420
tctggcaaca	gcccactec	agtctctcgt	tggatctate	cccagcagga	ctgtcagact	480
gaagcamccc	ctcttagggg	caaggttcca	ggatatacgc	cttcamagaa	mcctggaatg	540
amcctgcccc	attatcetta	tggagatggt	aatcgtatgt	ttccacaatc	aggaccgact	600
gtacgaccac	aagaagatgc	tgggcttct	cctggtgctt	atggaatggg	tggccgttat	660
ccctggccct	catcagcgcc	ctcagcacca	cccggcaatc	tctacatgac	tgaagtactt	720
caccatggcc	tagcagtggc	tctccccagt	cacccccttc	acccccagtc	cagcagoccca	780
aggattcttc	atacccctat	agccaatcag	atcaaagcat	gaaccggcac	aactttcctt	840
gcagtgtcca	tcagtacgaa	tctctgggga	cagtgaacaa	tgatgattca	gatcttttgg	900
attcccaaagt	ccagtatagt	gctgagcctc	agctgtatgg	taatgccacc	agtgaccatc	960
ccaacaatca	agatcaaagt	agcagtcctc	ctgaagaatg	tgtaccttca	gatgaaaagta	1020
ctcctccgag	tattaaaaaa	atcatacatg	tgctggagaa	ggtccagtat	cttgaacaag	1080
aagtagaaga	atttgttagga	aaaaagacag	acaaagcata	ctggcttctg	gaagaaatgc	1140
taaccaagga	actttttgaa	ctggattcag	ttgaaactgg	gggccaggac	tctgtacggc	1200
aggccagaaa	agaggctggt	tgtaagattc	aggccatact	ggaaaaaaaa	aaaaaaaaaa	1260
actcga						1266

<213> Homo sapiens

gaattcggca cgagtaccct gttctaatac agttcagtggt gtcttataga aaatcattta 60

tcttttgcct	ccctgaaatg	attttaactt	tttgtgtttt	tctctttttc	tcattttcata	120
atgcaattaa	atctacccct	tttctcaa	tttaaaaa	catgaataaa	atatctttta	180
cttaaggtca	aacacaaatg	gagtggtgta	ggctgggtcat	ggtgggtgac	acctataatc	240
ccaacactgt	gggaggccga	ggcaggtgga	tcacttgagc	tcacaagttt	cagagccggg	300
tgagcaacat	ggcaaaaacc	cgtctctaca	aaagaataaa	aaacttagcc	aggcatggta	360
gctactcagg	gaggatggct	tgagcctggg	aggcagtggt	tgcaatgagc	caagatcgca	420
ccactgcact	ccagcctggg	stataaagcc	agaacttgtc	tcaaaaaaaa	aaaaaaaaaa	480
ctcga						485

<210> 73
 <211> 639
 <212> DNA
 <213> Homo sapiens

gaattcgggc	cgagtattaa	gtcaaatgct	tgtattctac	gtgttagagt	gagttcaaaa	60
gatccattgt	attactgaat	aggcaaaaagt	tttaatttca	gaggatgaaa	ctgatataatt	120
actgccacct	tgtggatatt	ctgttattac	aggctattat	aaaargcaat	gcgggtatgt	180
aatctgttct	aacaagaagc	atttcctttt	tttgtcgttt	ttattattgt	tattattaca	240
ttttaagtcc	tgagatacat	gtacagaacg	tggagggttg	ttacataggt	atacacatgc	300
catgggtggt	tactgcaccc	atcaacccat	catctacatt	aggatattct	cctaattgcta	360
tccctccccc	agcctccac	cccttgacag	gccccgggtat	gtgatgttcc	cctccctgtg	420
tccatgtgtt	ctcattgttc	aactcaaaaag	aaaaacagaa	gcattttctg	ctttcccaat	480
ttcttaaata	caatgcaact	ttatgtttta	tttaactaac	ttaatttttt	gagacaagggt	540
ctagctctgt	tgcccaggct	ggagtggcgt	ggcgtgaata	tggttcagtg	aaacctccac	600
ctccctggct	caagtgatcc	tccttctca	gcctctcga			639

<210> 74
 <211> 532
 <212> DNA
 <213> Homo sapiens

atggctgctt	tcaaccggaa	cgcgctccatc	cttcaagatc	aagaccatt	ccatagttca	60
acaagtagtt	ggtgatgata	gagtgccctg	actgggcccag	aacagcctct	ttagccaaac	120
agcgcaggaa	agtcttttaa	cagatgctca	gctcctttct	tcattttcac	tttaattcca	180
tgatgcctct	gtgtccctct	gacgacatct	ctcctgggggt	ctgggactct	gctgggtcttc	240
catgcctact	gagaaggctt	cctggccatc	atcaggcagg	aaaacctcaa	agccctccgt	300
cctcaacgtg	ggatccctgg	gccagcagca	tcagcctcac	caggaaacct	gttcttctgc	360
tcattcttgg	gccccacccc	aggcctattc	aaagaaagac	tccaggggca	gcgcttgga	420
gcctgtgttt	ccaccagatc	tgtgtgaaaa	ctcaaatgaa	ccagcccagg	tgatgtgacg	480
caggaagtgc	aaggctgaga	gccagtgtct	aaggcaacct	cgtgccgaat	tc	532

<210> 75
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (507)
 <223> n equals a,t,g, or c

<400> 75	aggcagacgt	agaactagtg	gatcccccgg	gctgcaggaa	ttcggcacga	gccccagcta	60
----------	------------	------------	------------	------------	------------	------------	----

ggaagaaaga	atggcactct	tgggcttggc	ccagaattag	agttattaga	gcaagagaga	120
gcttaggaag	catgagggca	actatagtga	ggccttattg	ccaggaggga	gggttttggt	180
tgctggcgct	tgtgtataaa	ggggcaagag	cagctccttt	ggactattcc	tgggaggact	240
ctgatgcagg	gcgtctgttg	ctcccctggg	tcacctcctc	cctgctcgct	gacatctggg	300
gctttgacct	tttctttttt	aatctacttt	tgctaagatg	catttaataa	aaaaaaagag	360
agagagagag	agggtgtgag	gacaaaatgc	aaacctattt	cccttgccct	ataggcttct	420
gggatgtcat	cacctccagt	ttgttggttt	tgtttccaac	tgtaataaaa	gcattgaaac	480
agtaaaaaaa	aaaaaaaaaa	acaaaanaaa	aaaa			514

<210> 76
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 76						
tgcagttttt	tttttttttt	tatttattat	tttactttta	gttctgggat	acatgtgctg	60
aatgtgcagg	tttgttacat	aggatatacat	gtgccatggg	ggtttgctgc	acctatcaac	120
ccgtcatcta	ggtttttatgc	cccgcattgca	ttaggtattt	gtcctaatac	tctcccgccc	180
ctttccact	aacacctctc	tgagtttatg	aatccttgca	gatatgtttt	atgtatatga	240
tcatagtatg	tatgtagaca	cacacacaca	cacacacgtt	ccctctctct	acacaaatgg	300
taacatacta	aagatactct	tctgtacctt	cacagtacaa	gtaccatatt	ccccacttag	360
cacttgccaa	aggccaaagc	cagttaaggg	caggggtgagc	acttgccctc	caagctctat	420
gtccagtgtc	cgctccccac	agggccccta	actcaccac	agaagcggac	tcagccccag	480
gctacgtcta	acaaccacac	acaaaagcag	caagaaatgg	cccattgctgc	cttctgggca	540
ggacattcca	tcttcgcagaa	ggaaccttta	ggctcactcc	gccacctggg	aagccaggct	600
gccaggggat	ggggcaggcg	gttggtactca	ctcgtgccga	attc		644

<210> 77
 <211> 1199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (630)
 <223> n equals a,t,g, or c

<400> 77						
gaatggcacg	agcaatggct	ctgttagtcc	tgactctgta	ttgcattctt	tttttaaaaa	60
tctacatgcc	tgtcccatct	cactgtgagc	aattcaaagg	caggaattaa	gtcttattaa	120
tttctctott	ccgttgccca	gcatagtgac	cagaacagag	ctcaataaaa	tgtgttgaat	180
agataaatgg	gctgttaaga	gaaaaacttt	agcagaatta	aatttaaagg	agtttaattg	240
agcaatgaat	gattcacgga	tcaggcgacc	cccagaatta	ctgcarattc	agagaggctc	300
caggggtacct	catggtcaga	acaaaaaaag	ggaagtgcag	tacagaaatc	agaggtgagg	360
tgcaraaaca	gctggattgg	ttacagcttg	gcatttgtgt	tatttgaaca	cagtctgaac	420
actcagcact	gtatgaatgg	ttgaagtgtg	gctgctgaaa	ttggctgana	ctcagctatt	480

gttacaggct	gtaatcctaa	attagggttt	caatcttgtc	tgcacactaa	ggtagggttc	540
agtttcgtcca	caaggactta	aatacagaag	tatggagtc	tnctcaggcc	atatttagtt	600
tgctttaaca	aggcatagca	gtgataagtn	ccagagagag	gtggtcagca	cgattcatca	660
ctgtcctcag	acaagaagag	gatgaggagg	gatgagccat	ttgtgcctat	tttgkacctt	720
tttggcaaaag	tcatgattac	ttagtcatgt	wacatgtaac	ttagcatgac	ccatgggtac	780
agaaactagg	tttaattttt	ttatccaaca	gtgamgtttt	ccatacttca	ctcaagtact	840
tagtaattgc	tgtagctttg	cttcattgca	gcggcttcat	agatcatggc	tgttgttcat	900
cgcttgtggc	gtgcctggga	aatcaatagc	taaaaaygtt	ttgtgaaccc	ttagtagttg	960
ttacctgggt	aggtttggaa	tgttccagga	gaattaatga	acamtcagg	gatmgttttg	1020
tcattttaca	gggaataata	agcaaatg	tgtttgggaag	tgtgattcta	tcaaatctgt	1080
ttataaataa	gtgcatat	gccatttaaa	gtaatttttt	tatctgtgac	ttgggcttca	1140
tgggattagc	tataatgaca	cgtctgggag	tctcctcaca	attagaatga	aatcctcga	1199

<210> 78

<211> 660

<212> DNA

<213> Homo sapiens

<400> 78

gaattcggca	cgagcagagg	cccggtacct	ttaagctcta	cctcgccaat	gccctctcgc	60
ctagtaatcc	gtgcacacag	cctgctgttt	gccatgcaga	atgatggcct	caagttcatg	120
gaaatgggtgc	tccatgtcct	tcaggcaagt	ataggtgttc	tggtgcttat	ggtggatgtg	180
ctcgagcatt	ttcttgccat	gctcattggc	aatgcagggg	ctcctttgcc	actgctggat	240
gtgctgggga	aggatgttat	tgatgtggct	gaaagaagag	agagcaagaa	atgaaatggg	300
tagatgggga	catcagagga	atgagaaaga	tgagctacca	aatggtgact	ctatagggta	360
ctgagtgggtg	gatgagtgc	cgttgggtga	tgggtgggtg	aacagtggac	gggtgggtgg	420
atgggtggag	gggcagggtg	gtgagtggct	ataaggggtg	atgagcagg	gggtgagtgg	480
ctatgaggg	gaatgagcag	gtggatgagt	ggctataagg	gtggatgagc	atcctgggtg	540
atgtaatgtg	gatgggcagt	tcagtgagt	ggtgactatg	acggtggtg	ggtgggtggc	600
tgagtggga	tacagatggc	atagatcaca	ccttactttg	cctttgtccc	ttaacctcga	660

<210> 79

<211> 524

<212> DNA

<213> Homo sapiens

<400> 79

tcgagccccg	gctggcgggc	ctggctgctg	ggtctttgtc	ttctaggttc	ctctttctcc	60
caagaagggc	taagtggatc	ctgtgaaggg	agggatgcag	tggggggaag	gagctggccc	120
cagctgggtt	tacatttcca	gctgggacag	cagagcctca	ctgtgtatgt	gtgcagccag	180
cagatacctg	tgcacaggca	cagacccacc	aactcgtggg	gacacttcaa	cacgcacaaa	240
agccattttg	ccactagacc	catgccccca	aattagcaga	actgctcgtg	ccgaattcct	300
gcagccccgg	ggatccacta	gttctagagc	ggccgccacc	gcggtggagc	tccagctttt	360
gttcccttta	gtgagggtta	atttcgagct	tggcgtaatc	atgggtcatag	ctgtttcctg	420
tgtgaaattg	ttatccgctc	acaattccac	acaacatacg	agccggaagc	ataaagtgtg	480
aagcctgggg	tgccaatga	gtgagcta	tcacattaat	tgcg		524

<210> 80

<211> 434

<212> DNA

<213> Homo sapiens

<400> 80

gaattcggca	cgagcggcac	gagctcgtgc	cgaattcggc	acgagatttc	atgggcagtg	60
tctggaactg	ccttttagca	ttacttgaaa	aacattta	tactttgtac	aaattaataa	120

taacagtgc	actagatttg	ctcagtgcca	ggcataagtg	ctttacatct	gtgaactcat	180
ttaactgaat	tgggtcccggg	gttgggatag	aacagctgcc	cctccctcag	cagcgggtcc	240
agccgtccta	gctctgcggc	ctggccactt	tgttttcccc	aatccctggy	ctccaggagc	300
agggctctca	gctccccctgg	ctctcacgtc	ctcacctgag	ctgaggagag	gacaggggtg	360
ctctctccag	ctccamamtg	gtctgtatcc	aggctatttc	amcctcattc	aaaaaaaaaa	420
aaaaaaaaact	tcga					434

<210> 81
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 81						
gaattcggca	cgagcttctt	ataaccta	ctctgaagt	atatcatcac	ttctgctata	60
tcctgttcat	tagatgtgag	tcagtaagtc	cagcccactc	tcaaggaag	gggtgtgaat	120
atcaggaagt	ggggaatcac	tgggtttatc	ttagaggctg	ctaccataac	ggaggaatat	180
tggcatcttt	atcttcatta	acctctaact	ggcttttagt	tcacattcta	caataaatgt	240
agggcaacaag	tcactgtggg	atgaacagca	cctgtgggtt	tgtaaccagt	ataaatcaga	300
tattctttat	tattttatgg	tkgttgtacc	tgcctctact	taccactact	ttggaaatat	360
gggagttatt	agmccactg	cactagattt	tgttatttaa	tatataaaaa	gaaattcaca	420
ttactataca	acaacttaaa	aatgcttgg	acaaaactat	tttattttgta	actttttgta	480
ttttgtttta	tgagatgtaa	aatattattc	tgagaggtga	tccacaggta	ttaccaaact	540
gttaaggcgt	ttgtgacaca	aaaatattaa	gaatccctaa	gcaagtgata	ttcaaagtgt	600
ggttctggga	acagcagcat	caacatcacc	tgggaactag	tctgaaacgc	aaattatcag	660
gaggttcctt	ccctgacctc	ctgagtcaga	aactctggcg	gagggacca	gcaatctgtt	720
caaatacacc	ctcga					735

<210> 82
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (717)
 <223> n equals a,t,g, or c

<400> 82						
gaattcggca	cgagcatgag	ccactgcacc	cagccgatac	tactatatcc	ccattttaca	60
gatgagcaca	tgggcaaatt	gagggtaagg	cactgaccca	tgatcataca	gctgagaagt	120
ggcaaaggca	ggatttgaac	ctagaacctc	tggctccaca	cactagtaat	ctaaaccact	180
ctccctacaa	tacaacatac	gtggtaaaga	tgtgtgggtg	gcacgcaatc	aaogtaggtc	240
ccttcacagt	tgctggggaga	ggcaggaatt	tgcagttcct	ccgcgttctc	ctcctccgct	300
gcccacctgt	cctgggtcat	tcctgcagcs	tgccttgcce	tgctgtgtct	cacctccctt	360
ctgccaacag	aagtctgggc	agggttttat	gggctctgat	aaggccctgg	cagggccgaa	420
gttcatgagc	acttctctct	tgcaggaggg	cgtaggggag	gggacccagg	tgatttgggt	480
cctggctggg	caccagggaa	gctggcaagg	gaaggagagc	taggtgctgc	tctaggagaa	540
gcccagagcc	tgagagtccc	agaagaggag	ccctgtggac	cctccctctc	cagccactcc	600
cttaccctgg	gtataagagc	caccaccgoc	tgccatccgc	caccatctcc	cactctctga	660
gctctttctc	cagaccagcc	actagcgcag	cctcganggg	gggcccgtcc	caatttncct	720
ct						722

<210> 83
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 83
 gaattcggca cgagcttggt cacactcagt aaacacatta gttgaattcc tctgattgtc 60
 aattagcaat ggttttgcca agaatactgg tattgatgct gtttttagca ctgaaaaatc 120
 ctgtgggaga aatgaggaa ttaacacatt gtaggtgtta agattcctgg gtgtctgaca 180
 gtatccctgg aaccattatc attaatatc ttttcaatca gaaaggcaaa ctactttgct 240
 gttaggcttc cagatgaggt tttttgaaaa aacagtaaga taataaaggc ttggattgct 300
 cctacttcct gaggaagtc acatctcata ttattcagaa cttggactga agagctcata 360
 gggcaagtga ggccaaggtc aggagtcttc agacatcttg ggccaagtgc cattctagaa 420
 gaaatgattc tcttcctcag tcaccatcta tctatgcccc caggtttgac tcgctctttt 480
 cccaaggagt gctgttcatt cctgacacaa gggagaccag aaaagagatc atgaatgaca 540
 gtgaaaacct ttatgacact gacataaagc agagagttag actgaatatg agttggtagc 600
 ttttcctttg tatctgtgta agttgaatca taaaaaattg tcatttttgtt gattcaaaag 660
 tgtaaaacaa aagcaagttc atatgattca agcttacatt tttttctcac tataagaaag 720
 aggatttaaa gaattgtatt aggttagcga atctgatttc tttcatgcaa atacagctcc 780
 tccga 785

<210> 84
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 84
 aaacgacggc cagtgaattg taatacgact cactataggg cgaattgggtt accggccccc 60
 ccctcgagtt gaattagaga aaacgacatg gacacacgtg gagggttttt aaggagcggg 120
 gagtttaata ggcaagaagg aaggggagaag acagaaggaa gaagctcctc catatggaga 180
 cagagggagg ggggctccaa agccaaaaga ggaggtcccc aagtgcagtg gacaccagcc 240
 aagtatatat gcagaggctg gaaggggcca tgtctgattt acataggggt caggggattg 300
 gtttgaccac gcatgttatt cacatagccc actaaaaagc tggctctccc accctagtct 360
 tttaatatgc aaatgcaggg agccatggat gttctacaca tgtggggata tttggggatg 420
 ttctacacat gtggggcggc catgttgcca ggaacatgtg aggcaagggt aagaaggcct 480
 tgggaattgc catgttggtt ggacccagtt tctaattggc tgcatttgca tatcaaaggt 540
 tgctcgtgcc gaattcctgc agcccggtgg 570

<210> 85
 <211> 905
 <212> DNA
 <213> Homo sapiens

<400> 85
 gaattcggca cgaggatgat aataaataaa tcaacagaga ttttaccatg ttttttttta 60
 aactgatcta gtttatcact ctcttatctc tacaatttat ctttactca aagaactaaa 120
 gttatcttcc aaaaacacag aatgaatcag ctactctcc tcaagactct taaatggtcc 180
 ttcattactt gttgagaaaa gccagactt gtttagtgga gcaattaaac tccccacat 240
 ttatctgcca gaagactttc tggaaccatg tatggttttt ttgcccctca acttacagtc 300
 ttattgggtc attatttttt tctcatcatg ccacacattt ttgtgtcagg taattttagt 360
 cttttggcct tgttcttact atcagccaac ttcatagttg aagtcacagag ttggttggtg 420
 ttgttggtgt tttttatcka tttaggtagg agttacaatt tttatttgct ttgtgacagc 480
 attattttct gacacatttt ctccatattc ttttaagag tttctttttt aaacctatgt 540
 tattcaaggt taaacaaata acgagtttct ttgtttggat gttatgctta cacttacttg 600

```

aatatgttgt tttttttcca gactagccat tagcaagatt cctgtggagt gagggagtgc 660
ccagggtagt tctccagatt attctgctca aattcttctt cttctcatgc tgcagtgatg 720
aattatttct tcaaaactat gacccactg ttagctcca ctttctcttg ttctcacaag 780
agtgtacaaa atcgttgagt cttctgagcc atggctaaca agaatcctag ctactgcctt 840
ccactatatt tttccctttt taaaaggagc attttctgag tttagtcac tcaggccttc 900
ctcga 905

```

<210> 86

<211> 706

<212> DNA

<213> Homo sapiens

<400> 86

```

gaattcggca cgagcaaaga tgaggctgtc tacaaactta tgtatcattc taataaatat 60
tttaatacag aatgtttctaa attttaatag gaaaataata tttaagttcc ttccatgtgc 120
catgcataat cttatatcaa gtataatttc atttttatat aatttctgtg cttacctct 180
tgcttctccc caattcacaa atgaagaaag tagttacacc gcccttcgtt catgtacaag 240
gggaggggtt gaatccaggt ctctaggaac ccaaaagtca tgcaccttc aaggcaaagg 300
agattacat gttacagcat agataaaaac ataatagaat taggaattgg ataagtatag 360
agggttcaat agtgttcccc caaaattcct ctcaacactg aagctcagaa tgtgacctta 420
tttgagata ggatctccaa aggtaatgca gatgtaatca gtttaagatga ggtcataccg 480
gattaatttg ggtcctaaat ctaatgactg gtatcctttt aagaagaaga gaaaacacag 540
gacacagaca caaggaagca gcaaactgta agacagaggc tgggggtgta gtgatgcagc 600
tataaggcat ggggccaccg gaggtctggga agggataagg agggaccctt ccccaaagcc 660
ttcagaggga gcagctgaca ctttgaattt ggacttctag cctcga 706

```

<210> 87

<211> 1544

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<400> 87

```

natgcttnca actatattata atgcatcaat ttgaacttag arggtrggag atcrgatcat 60
atgtgggaaa atgtaaaagc agggatatca gtgggcatta gaataaaaac tagggatata 120
ataacttctt tgcataatgac aatacttatt tgtatataag agaaagaacg aaataacctt 180
tattgaaata aagatactat gcaagaaaat gtacagttgt cgaagtggag aaaatgagga 240
tatattcttg cagacgagct ataggtcata catgaatgtc tagtgagaca ttcaaaattc 300
gtataggggtg cagagtaatt tcttattgtg aggaactgtc caatgtattg caagatgttc 360
tgcatacttg gctctcacat actaaatgct agtagcgccc ccacccccac gccagtcac 420
ggtgacaacc acaaacacct tccagatctat tcaccttttt cagagcagat attttgtaac 480
attctctttg ctgacctgaa atgactcata gataatacaa tctacttaca cacatgaatt 540
tcttaaaaaa atcaatttaa tgccctaact ctcttattaa ggagaaatag aaaagaagaa 600
atttataatg aaaagaagat gaatttcatt atgtaaacgc tcaggcatga ctacgtgtgt 660
tgaaacagac agatgtttac tcttctttgt aatgagttag tttggattta agagccgatt 720
agaggctact tctgttaaac aagtacagga aaatgaaact agacgggttg gggcactag 780
aatgaaaacc agtgttaggg taaagacaaa acagactatg tacataatct gtatatggga 840

```

aaagaaagag	cgaaattacc	ttacttaagg	ataataggac	aagacaaatt	acagattgtc	900
tcagagaaaa	caaatgagtt	actctctcgg	acaagctgta	ggtcctacct	aatgtccag	960
caggacatta	gacagtcgta	caggggtacag	aataattctt	cgttgtgtgg	cactaaccoc	1020
cacactgcag	gacatcgttc	tccctggctg	catccactca	gtgctgggag	tagtcccag	1080
ttattatgaa	accaccaata	accactgac	cacagtgaga	accactgatt	ttttccactg	1140
acctactgaa	tatctagcat	ccttagattg	gctcaactgt	tactttccta	aggagtcctt	1200
ctacagaata	ggtcagatct	tggcctccca	aacccttat	ttttaaaata	ctttgcgcct	1260
tgctttgata	atttgtatta	tgtatccaaa	ctgaaattat	ctgctttctg	cattagaatg	1320
taagccccct	gaggggttgag	tcagtctgtc	ttgtttgctg	tgccacgcct	gatgcccagc	1380
ccagcagcat	gctttgtaca	ctgatataatt	gggtaaattt	tggtgaataa	attaagctca	1440
actatttgta	tttcaatagt	tgagttgtat	tgcttcctgt	tcttcaagct	taatttgaac	1500
tgtctaataa	aaagaagtaa	ttaaaaaaaa	aaaaaaaaaac	tcga		1544

<210> 88

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (326)

<223> n equals a,t,g, or c

<400> 88

gaattcggca	cgagcttttt	cattatcttt	accttaatct	cttagcatat	gatttatgga	60
ctggaatggg	gagtgatata	agtgggcaaa	aacaatcatt	agaggctgtt	aaggaacatt	120
tattgtttat	ttggctacct	gtctataaaa	gtacacatga	aggccctaata	agcaaaatat	180
caaattatca	agtgtcttaa	agcagaaaaa	gtcatttggt	tctcaaaact	gcaccaactt	240
tatataattg	cccttttaatt	tatccctagt	ggcccgtaga	atttgcaaaa	tagagcatca	300
aagcttgatt	tactttacagt	tgcacnttgg	cgggatctta	atgaatattg	tttagtacta	360
atgctgagat	ggaatcgtaa	atgtttatag	tgagggaact	acttagaaga	gtggggaggc	420
cagtaatgaa	actgaatcaa	ctgggttctt	caagatggaa	caatatggcc	atattcttgg	480
gcctaacatt	ttgaaaaatt	ctttttatag	tgggaatttta	tttttaattc	aggtctagat	540
gaatacacat	taagtttagt	tttgcagaat	cttttttttt	ctgcctagct	atcttattac	600
tttccaaggg	cttttgagga	gtaatttggt	tcctggcaat	ttcggattaa	aatcacctgt	660
ttcttcataa	attgtcatct	tcaaggtaac	actgagaact	ggatctctga	aatctcatgt	720
tttcgagatg	atttttatag	ctgcagacct	gtgggctgat	tccagactga	gagttgaagt	780
tttgtgtgca	tcatcatgtg	ccattaaatg	aaaaaaaaaa	aaaaaaaaacy	cggggggggg	840

<210> 89

<211> 510

<212> DNA

<213> Homo sapiens

<400> 89

gaactastgg	atcccccggg	ctgcaggaat	tgggcackag	gctgcgctcg	gccaggccgg	60
caccatgagg	ccctgtctct	gcgcgctgac	cggactggcc	ctgctccgcg	ccgaggggctc	120
tttgcccgct	gccgaaccct	tcagccctcc	gcgaggagac	tcagctcaga	gcacagcgty	180
tgacagacac	atggctgtgc	aacgccgtct	agatgtcatg	gaggagatgg	tagagaagac	240
cgtggatcac	ctggggacag	aggtgaaagg	cctgctgggc	ctgctggagg	agctggcctg	300
gaacctgccc	ccgggaccct	tcagccccgc	tcccgaacct	ctcggagatg	gcttctgagc	360
cctggagctg	gagcccagca	gttgagggtg	gtgcacctgc	cagcagcgcc	cacagaacca	420
gccctgtcct	ctcgacttcc	ttccttagct	tcatgtgaaa	taaaagctat	tctgggtcaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaactcga				510

<210> 90
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (66)
 <223> n equals a,t,g, or c

<400> 90
 ncggaagtcg gcgncacgta gtagggaaac ctgggacgcc gtgcaggtac cgggccggaa 60
 ttcccnnggt cgacccacgc gtccgggtcaa taactgtcat agtgaaaatg tggtttttaa 120
 gagtagtagc tacttatggg ggtgtagaaa gaatggcctc tctcttagac aatttcattt 180
 taaacatcat agtcatcttt tgcatagtga ttgactccta tctttgtggg ttcattgtatt 240
 tctttgtgat tgattcccca gtgcctgcct gcagtcctatt gcaactctcc caaactttaa 300
 tcctgcagct tcagcccact gctagatatt tccattgatg acctgtcatc tgaaacctag 360
 cattcatcat gtgctgtgtt gtataattgt atgtctgtgt tattgtatta ctttcccaag 420
 taaagttttt gtgtaaggac ttaacactgc tttgaatccc ctgtacctat tatactgctg 480
 tgtacaaagt aggagtcaa atacatgtga tcacaatagt cttccattca taactcatca 540
 gcagctcagt ccttcttatg tctagtctca gttcattcag ccaaagctca tttttgtcct 600
 atccaaagta gaaaggyttc ttttagaaaa cttgaagaat gtgcctcctc ttagcatctg 660
 tttctgactc ccagttattt ttaaaataaa tgatgaataa aatgccaaaa aaaaaaaaaa 720
 aaaaaaaaaa gggcggcc 738

<210> 91
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 91
 tccgagtttt ttgtaccact gattgttctt tcggtggtgt tgttagaatt gagctagtta 60
 tttatagttc tctgttgaaa gagccacag ggaggagagg tgagctgagc atttgaaatt 120
 caggatctgg ttaakgttgt cagctcagtg gatttgagaa tattcacaga taagcaactc 180
 agaaggatca tacttgtatt gtaggcctc aggtattcag gaaatagatc ttctcttggtg 240
 attcaatagc cataatccaa attaaacatc tggcttttcc aatgtgtatt tttgaatgta 300
 tgtgtcattt cttcatagac atatcaaacc attactatgt ggtaagattt tatccagaag 360
 attctcttcc taaaaccttt atatatgacc cttttaaagc ataaaattat tttagggtgtg 420
 agtttttatt atgcaataca aggatacagt ctttaatttt ctacctttaa gctcgtgccg 480
 aattcctgca gcccggggga tccact 506

<210> 92
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1165)
 <223> n equals a,t,g, or c

<400> 92
 gtggactctg gctgtccttg ggtgggtttcc atgagcgtgg ccaagactgg gagcagactc 60
 agaaaatcta caattgtcac gtgctgctga acagaaaggg gcagtagtgg ccacttacag 120
 gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct 180
 accatgcctg ggcccagctc tgagtcacct gtcagcacac cagcaggcaa gattgggtcta 240
 gctgtctgct atgacatgcg gttccctgaa ctctctctgg cattggctca agctggagca 300
 gagatactta cctatccttc agctttttgga tccattacag gccagccca ctgggaggtg 360
 ttgctgcggg cccgtgctat cgaaacccag tgctatgtag tggcagcagc acagtgtgga 420
 cgccaccatg agaagagagc aagttatggc cacagcatgg tggtagaccc ctgggggaaca 480
 gtggtggccc gctgctctga ggggccagggc ctctgccttg cccgaataga cctcaactat 540
 ctgcgacagt tgcgccgaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc 600
 aatctgggtc acccactgtc ttaagacttg acttctgtga gtttagacct gcccctccca 660
 cccccacct gccactatga gctagtgtc atgtgacttg gaggcaggat ccaggcagag 720
 ctccctcac ttggagaacc ttgactctct tgatggaaca cagatgggct gcttgggaaa 780
 gaaactttca cctgagcttc acctgaggtc agactgcagt ttcagaaagg tggaaatttta 840
 tatagtcatt gtttatttca tggaaactga agttctgtct agggctgagc agcactggca 900
 ttgaaaaata taataatcat aaagtctgtg tctggacatc gcctttggga actagaaggg 960
 gagttggtat tgtaccagct ggactaagct ccagttctag acctcctggc tcattcaaca 1020
 tgccctccca cctaaataaa agtgcaacac tcagtgcagt tcccagcccc attctcccaa 1080
 gcatgggagt gggcgtagga gtggaggagg ggggaaggaaa aagggaattac ttcacttaca 1140
 cctatgatgc cctttgcccc agccngaaga aagcaaaggg gaaaaggggc tgcagggtac 1200
 att 1203

<210> 93
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 93
 gaattcggca cagggtttcac catgttggcc aggctggtct caaactcctg accgcagkga 60
 tcccaaagtg ctgggattac aggtatgarc ctcccaaagt gctgggatta caggcatgag 120
 ccactgtccc cagcaggatt atcttactat attgtgccac agaataatattt attagcgttt 180
 gattggaatt acatagaatt ataaatttgg tatttgtgac tttctgctgg aaatcatgat 240
 accatgaaca ttctgatgtt tgcgtttatg ataattttca tgggagctaa atttcaagaa 300
 gtagaatttt gggtcagagg atatgatcat ttaaaagcaa cattgtttga tcagattggtc 360
 agatacttaa agatgggtgg acaggagcca ttgctggcaa aggtttgggt aaggggcact 420
 tgagtatgct gctagtgaca gggaattcta cgcatttgtg catagaatct gggaatgact 480
 attaagattt atttattccc tctctaggta aaatccctct ctaggtatat aaataaataa 540
 taaataataa ataaataatc agtttcagcc aggcacaatg gctcacacct gtaatcccag 600
 cactttggga ggccaaggcc gatggatcac ttgaggtcaa ggagtttgag accagtctgg 660
 ccaacgtggt gaaaccccat ctctactaaa aaaaaaaaaa aaaaactcga 710

<210> 94
 <211> 1750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1287)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1392)
 <223> n equals a,t,g, or c

<400> 94
 agaaagtgaag agctgtttgc aatnatataa attnctaatt tggaaatcat gacaagcagt 60
 cttagaaca aagttaaaat taaaaagtct ttatccaagt caccaatgaa acaggattct 120
 gattcattaa tcatgtcttg cccacttttt tcaacaaacc tgacgtccta taatgagcta 180
 tacagtgtga ggcataatttc atagcaacgt tgggttgattg ccaaggagac tctgccaccg 240
 ttctggataa gctcatgttt cctttttcct tggctgctaa tagaagggca acttacagtg 300
 caggggtcaag agcaagaagc tgggggagta gagggctatac atctagccta ataatagaga 360
 tctgaggtgg tyaccaggag actacgttct tttgattcca ttctcagca gcaaaagtac 420
 ttgagttcaa atgataaaac ttgaagttgt aggcttggaa gagtatcagc tcagtatatc 480
 cttccttgca taaatacaag ggaaaggcca aggaataatc agcattaacc tgccagggtcc 540
 aaggggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt 600
 gctactctga ggaaaattat cctttatggg agcccccagt tcagaggtaa gaacagttct 660
 ttcaagtgga ggtccaaaat tctggacttc tagaaacaag tgaagtgtgc taaagtctcc 720
 tatttattgt ttctcttcca gtattgtgac atcgattctt gcataaaatt ctggaatgct 780
 ggctcttcat ggctttcctc tgtaactctg tgggtcaatgt catcagtatc gctgtctgct 840
 tctcctcctc cttcatccaa ggttcctcga gtcaggatca aatcagaagg gtgcagcaca 900
 ggagataagc tgtctttggc agtccctgca tccaaggcta cagaacccat atcttttcga 960
 aggggttcca gttgttctct ctgctgttgg ctctctgcgt tggccagtga ttttttcaga 1020
 cgttcatatt caggacgata ctccctttca tattcttcgg cagcactggg aacttgcaca 1080
 aagagttcat ctaatccagt acccagaaca gcagagacac ccaccacct gagtgagctg 1140
 taaaactcat ctaacaccag gctcattgaa cgagtcaggt tatgacgtat gtagtctctt 1200
 gattcaaggc atcttggaag gcctyaaaat cctgcatcca ttccactgca aagctgtggg 1260
 caatgatgtc agttttattc atgcccncaa tgaaagccag cttgggttttg tataagatgc 1320
 tgcaggcata gagcatgttg cacatgaagg tcaactgggt ggtaacttct gatgtgtcca 1380
 ttacatagat gncaactgtt ggaaatgagg atgcaagggc ttcagtata attgtcccag 1440
 aagctgacca ggtgaatacc tcaatctgtc caggtgtgtc aatcaacaca tatttgga 1500
 tgttctgggc cttctcaata aatttcatca ccaatattgg caggaaaggg aacttcatgt 1560
 actgctggat ccagggtgat cacatacggg ggagtgcctt gggcatgcag gtgtcctgtg 1620
 agcctctgta caaaagtggg ttcccccggat cccgccattc ccaacaccaa cagacacact 1680
 ggggtgccgcg gacccccaga agcctggagc tcagcggcag ctgcggacgc cgccatcttc 1740
 ctccctggcaa 1750

<210> 95
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (272)
 <223> n equals a,t,g, or c

<400> 95

ggaattcggc	acgaggaaat	aagggtgacag	atccccagct	gctgaagaac	tagaatgtct	60
attacactca	tacaattgat	gtttttat	aatacaccag	agctaccaca	caaaacttcc	120
ttccatgtga	aagggtccag	ataaaattct	gccatccctc	ctctctctcat	gtctctctgc	180
tcagaccac	cttcatgccc	ctaaaccaat	ctgcatcatg	cctgtttcag	agagtcattg	240
gaagatgggc	agtgcctcca	ttgtcaccat	tnccccacac	ctctgcacac	ttctgcccct	300
tccccctctag	acgccacaac	ttcacagtct	tactgtttgta	aatattcctg	cacagttagt	360
aatgatcaaa	tgatcctgtg	gtcagaggcc	tctttggcag	tgtcttctta	cccttaagaa	420
aggtcatgaa	atccagaagg	ggcaaccttt	ccaggagagc	tttggagtca	tttctgtgtg	480
agacactatt	gcataatcct	gtaagattgc	ttttatat	aaggaatgat	gttacttaac	540
aatgaacaa	aaaaaattgc	aaataaattt	tttaacaatg	tttaaaaaaa	aaaaaaaaaa	600
actcga						606

<210> 96

<211> 617

<212> DNA

<213> Homo sapiens

<400> 96

gaattcggca	cgaggcggaa	gatagattaa	aatgtctcta	cttctctttt	taaaagttca	60
tcttttttagc	ccttctacaa	ttttcaaaag	aaataattag	atgggtcgctg	taacattttat	120
atgaagaaaa	tagtttgaga	caacctaaat	atgtcaatac	trgawtaatt	attaaaaataa	180
wtcatggccc	tgatcatataa	twgaatacta	tggagtttgg	aagaaagcat	gatgtagaat	240
atttaattat	atgggaaaat	aatcagtaaa	tcttttttaa	acagaaggta	aaactataca	300
tagttcaata	tagtaaaagag	ggccggggcac	agtgtctcag	cctgtaatcc	cagcactttg	360
ggaggccaag	acagggtggat	cacctgaggt	tgggagttcc	agactagcct	ggccaacatg	420
gctagtctct	actaaaaata	caaaaatcag	ccaggcatgg	tagcaggcac	ctgtaatcca	480
agctacttgg	cagggaaggc	aggagaatta	cctgaacca	gaaggcagag	gttgcggtga	540
gccaaaatca	tgccactgca	ctccagcctg	ggcaccagag	tgaaactctg	tctcaaaaaa	600
aaaaaaaaaa	aactcga					617

<210> 97

<211> 634

<212> DNA

<213> Homo sapiens

<400> 97

gaattcggca	cgagatccct	tgacccctcg	ggtaggcaca	gggtaggtgc	agcagggatg	60
ggggccagcgc	tcatgggtggc	ctctctgtgc	ctcgggtggac	ctgccccagc	agtgggagcc	120
ataacccccct	cccccttcat	tacttcaactc	aggtggggcac	cttccccctgc	aggggtgtctg	180
ccctcagggga	actcaaggac	tctcagagac	accagggcag	cctggccccag	aggagcaaca	240
gccaggcccc	caggaggaca	gccatggaga	gaactgagac	ccacttacag	tgggggtctgg	300
gaacctgtcc	tgtacctggg	gtycagtccc	tcccaactcc	ctccttgtgt	cttcccccca	360
gcaaagggtgg	ggtgaccact	tctgtagcta	agcacctgct	ccccggctct	cttcaccag	420
gacatctgtc	tctctggagt	gtctgtctgt	ctgtccctcc	ctctctgaac	ctgcttctctc	480
cgtgtccccct	gtctctcgcc	cctgggagcc	camtcccmct	ccttgoggct	ccctcccatc	540
tactcaagg	ttctctgagg	acattaaagt	ggtggattca	ccctgaaaaa	aaaaaaaaaa	600
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	tcga			634

<210> 98

<211> 512

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (483)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (487)
 <223> n equals a,t,g, or c

<400> 98
 gtggatcccc cgggctgcag gattcggcac gagtctgact ggaaggggtg aggtgtgcag 60
 ataatttttac ttttcaacta cagaaaagat gtatctgggt aaagaaaatc atgcatttaa 120
 ctacatcaat gcagcctatg aacaatagcc tgtgaccata actagatata tcaccaacgt 180
 ggcagctctt cctaaccaaa agatcaaate aaaactctag tggcattttc ctatcactca 240
 cagaacaggc taagcttccc acctggagta gaccgggagc ctagaactca taaaaatttt 300
 taaaaatcaa acaaaacatg aaagtacaaa gtttctacaa aactcttata cctctcctga 360
 caatatttat gatgggtgca ttagtgaatt ttactggaaa aaaaaattcc caaaactatc 420
 cagctggraa tataagctca cttccaaagg ataaaacagt taagacgaga ttaggataaa 480
 ttnactnaca aaaaaaaaaa aaaaaaactc ga 512

<210> 99
 <211> 944
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (486)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (934)
 <223> n equals a,t,g, or c

<400> 99
 tccccccggac tgnccaggaat tcggcacgag cagccttcga agttgatgag actgctgagc 60
 tctaattgagg acgatgccaa catcctttcg agccccacag accgatccat gagcagctcc 120
 ctctcagcct ctccagctcca caccgtcaac atgcgggacc ctctgaaccg agtcctggcc 180
 aacctgttcc tgctcatctc ctccatcctg gggctctcgca ccgctggccc ccacaccag 240
 ttctgtcagt ggttcattga ggagtgtgtg gactgcctgg agcaggggtg ccgtggcagc 300
 gtctgtcagt tcatgccctt caccaccgtg tcggaactgg tgaagggtgc agccatgtcc 360
 agccccaaagg tggttctggc catcacggac ctccagcctgc ccctggggcc ccaggtggct 420
 gctaaagcca ttgctgact ctgaggggct tggcatggcc gcagtggggg ctggggactg 480
 ggcgancccc aggcgcctcc aagggaagca gtgaggaaag atgaggcatc gtgcctcaca 540
 tccgctccac atggtgcaag agcctctagc ggcttccagt tccccgctcc tgactcctga 600
 cctccaggat gtctcccggt ttcttctttc aaaatttcct ctccatctgc tggcacctga 660
 ggagtgtgag caacctggac cacaagcccc gtggtcaccg ctgtgtgagc ccgccccagc 720
 ccaggagtag tcttacctct gaggaacttt ctgatgcaa agtgtgtata tgtgtgtgtg 780
 tgtgtgtgtg tgtgtgtgtg tgtgtttatg tgtattttgt aatatgtgag ggaaatctac 840
 cttcgttcat gtataaataa agctcctcgt ggctccctta aaaaaaaaaa aaaaaaactc 900

gagggggggc ccgtacccag cttttttccc tttngtgagg ttgg

944

<210> 100
 <211> 2351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (593)
 <223> n equals a,t,g, or c

<400> 100
 acccacgcgt ccgccacgcg tccgggtcca ttgccacctg gatgggagaa gagaacagac 60
 agcaatggca gagtatatatt cgtcaaccac aacacacgaa ttacacaatg ggaagacccc 120
 agaagtcaag gtcaattaaa tgaaaagccc ttacctgaag gttgggaaat gagattcaca 180
 gtggatggaa ttccatatatt tgtggaccac aatagaagaa ctaccaccta tatagatccc 240
 cgcacaggaa aatctgccct agacaatgga cctcagatag cctatgttcg ggacttcaaa 300
 gcaaagggtt agtattttccg gttctgtgtg cagcaactgg ccatgccaca gcacataaag 360
 attacagtga caagaaaaac attgttttgag grttcctttc aacagwtawt gagcttcagt 420
 ccccaagatc tgcgargacg tttgtgggtg atttttccag gagaagaagg tttagattat 480
 ggaggtgtag caagagaatg gttctttctt ttgtcacatg aagtgttgaa cccaatgtat 540
 tgcctgtttg aatatgcagg gaaggataac tactgcttgc agataaaccg cgnttcttac 600
 atcaatccag atcacctgaa atattttcgt tttattggca gatttattgc catggctctg 660
 ttccatggga aattcataga cacgggtttt tctttaccat tckakaagcg tatcttgaac 720
 aaaccagttg gactcaagga tttagaatct attgatccag aattttacaa ttctctcatc 780
 tgggttaagg aaaacaatat tgaggaatgt gatttggaat tgtacttctc cgttgacaaa 840
 gaaattctag gtgaaattaa gagtcatgat ctgaaaccta atgggtggca tattcttgta 900
 acagaagaaa ataaagagga atacatcaga atggtagctg agtggagggt gtctcgagggt 960
 gttgaagaac agacacaagc tttctttgaa ggctttaatg aaattcttcc ccagcaatat 1020
 ttgcaatact ttgatgcaaa ggaattagag gtccttttat gtggaatgca agagattgat 1080
 ttgaatgact ggcaaagaca tgccatctac cgtcattatg caaggaccag caaacaatc 1140
 atgtgtttt ggaggtttgt taaagaaatt gataatgaga agagaatgag acttctgcag 1200
 tttgttactg gaacctgccg attgccagta ggaggatttg ctgatctcat ggggagcaat 1260
 ggaccacaga aattctgcat ykaaaaagtt gggaaagaaa attggctacc cagaagtcac 1320
 acctgtttta atcgccctgga cctgccacca tacaagagct atgagcaact gaaggaaaag 1380
 ctggtgtttg ccatagaaga aacagaagga tttggacaag agtaacttct gagaacttgc 1440
 accatgaatg ggcaagaact tatttgcmat gtttgtcctt ctctgcctgt tgcacatctt 1500
 gtaaaattgg acaatggctc tttagagagt tatctgagtg taagtaaatt aatgtttctca 1560
 ttttagattta tctcccagtg atttctactc agcgtttcca gaaatcaggt ctgcaaatga 1620
 ctagtccagaa ccttgcttaa catgagattt taacacaaca atgaaatttg ccttgtctta 1680
 ttocactagt ttattccttt aacaacaata ttttatgtgt gtcaaaaagtc toacttggga 1740
 gtagtgtttt tttcttttag acattctgca gacatgcagg gaagtccttt ggtaactgca 1800
 atatacaaga ttttctctatt aagcctcttg gtaagaggca tttgttaaaa gtgcaagctt 1860
 actcctgctt ctggggatgt gagcaaaatc gggcttgtgt tctccctctc attttagtct 1920
 gacttgacta ttgttttttc tttctggcgc atgaatccat acatcattcc tggagtgag 1980
 gcaagactct tgcactctca caaagtagtt ttgtcaatth gaattcaggg aaaagttggt 2040
 cacagcctgc aaatgacttc atttggaagt ctgattgttt cagttgcctg acaataacta 2100
 cactttacaa acaatgttaa cactgtgatt ccttcattgt ttttaagaagt taacctaggg 2160
 ccgggcatgg tggctcatac ctgtaatcct agcactctgg gaggccgagg caggaggatc 2220
 ccttttagccc aggagttaaa gaccagcctg ggcaacatag ggagaccctg tctttttttt 2280
 gggcagcgtg gtgggggata aataaaaaaa aaaaaaaaaa actcgagggg gggcccgta 2340
 ccaatcgccct g 2351

<210> 101
 <211> 776

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (775)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<400> 101

aatgaaggct	ttgtggacaa	catgacgctg	agtggcccag	acttggagct	gcatgcctcc	60
aacgccaccc	tcctaagtgc	caacgccagc	caggggaagt	tgcttccggc	ccactcaggc	120
ctcagcctca	tcatacagtga	cgcaggccct	gacaacagtt	cctgggcccc	tgtggcccca	180
gggacagtgg	tggtagccg	tatcattgtg	tgggacatca	tggccttcaa	tggcatcatc	240
catgctctgg	ccagccccct	cctggcaccc	ccacagcccc	aggcagtgct	ggcgcctgaa	300
gccccacctg	tggcggcagg	cgtgggggct	gtgcttgccg	ctggagcact	gcttggcttg	360
gtggccggag	ctctctacct	ccgtgcccca	ggcaagccca	tgggctttgg	cttctctgcc	420
ttccaggcgg	aagatgatgc	tgatgacgac	ttctcaccgt	ggcaagaagg	gaccaacccc	480
accctgggtct	ctgtcccca	ccctgtcttt	ggcagcgaca	cctttttgtga	acccttcgat	540
gactcactgc	tggaggagga	cttccctgac	acccagagga	tcctcacagt	caagtgcaga	600
ggctggggct	gaaagcagaa	gcatgcacag	ggaggagacc	actttttattg	cttgtctggg	660
tggatggggc	aggaggggct	gagggcctgt	cccagacaat	aaaggtgccc	tcagcgggatg	720
tgggccatgt	caccaaraaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaann	776

<210> 102
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 102

gaattcggca	cgagaggggc	agggaggctg	ccccaggcc	tgtatatatta	acccttatgt	60
accaggagta	atgaatagta	ataattctat	ttatgtaagt	tatgatgacg	ggtcaggtag	120
agtgaagctg	ggagggaagt	ggatccattt	ctgctaagga	aattctagtc	aaatgcatct	180
ctgtatagac	aaaatgttag	tggagaagat	cttgtaata	gaatgtctat	catcagaatc	240
tcagttgata	gggtttctct	tgtaatgaag	tctctacaaa	ttgggttagc	tacatctctg	300
ctaaacagtt	gatgggggat	ctcttgatta	gggggatccc	taatatcccc	agccccagcc	360
agaagctgtg	aaacctcaag	tcctatggag	gggagaagga	ctggaatgta	ccccatctyc	420
cttgactgma	gagcagggtc	ctccactgcc	ccaccctta	gacaccatgm	ccccatcagg	480
ttaatcccc	gttgccatgg	ttatggagac	ttgcagctgc	catcttagat	gtgctctttg	540
gggaagccca	tctaacagga	ggacattggt	ttgggggtgc	acctcctgaa	gaatgggtgg	600
ggaaggcttt	ctctaggatc	agattcaa	aaatcaagta	tgtattgagt	gcctactctg	660
tgcaaggcac	tatgctagat	ctggtgccta	gaagccctga	gaaagaactt	aaagagctag	720
gaggacagag	gcccccaagc	tgatctgggtg	gtgcatccac	gcacccccac	cctgggactt	780
tggatgctcc	catctccacc	tccagtga	tttaaaagccg	cttcgtgcct	ttcctgtaac	840
gttggatcct	ccttttctgt	cccctgctgt	ctcaaggccc	caagttaaa	ggttaaaagcc	900
gctggagctt	ggggagagaa	cattgtggaa	tggaaaggat	catgcccttt	gtggagtctt	960
ttttttttta	tttaataaat	aaaagttgga	tttgaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
aaaaaaaaaa	ctcgcagggg	gggcccgtac	ccgaatcgcc	ctatg		1065

<210> 103
 <211> 687
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<400> 103

aaaccagctt	ttgccctgat	tacgccangc	tcgnaattam	cctcactaaa	gggancaaag	60
ctggagctcc	accgcggtgg	cgcccgctct	agaactagt	gatccccgg	gctgcaggaa	120
ttcggcacga	gcagaaaaca	acatggaagc	caagttccta	ggaaatgcac	cctgtgggca	180
ctacacattc	aagttcccc	aggcaatg	gacagagagt	aacctcggag	ccaaggtg	240
cttcttcaaa	gcactgctat	taactggaga	cttttcccag	gctgggaata	agggccatca	300
tgtgtgggtc	actaaggatg	agctgggtga	ctatttgaaa	ccaaaatacc	tggcccaagt	360
taggaggttt	gtttcagacc	tctgatgggc	cgagctgcct	gtggacgggtg	ctcagacaag	420
tctgggatta	gagcctcaag	gacatttgt	gattgcctca	catttgcagg	taatatcaag	480
cagcaacta	aattctgaga	aataaacgag	tctattacaa	aaaaaaaaaa	aaaaaactcg	540
agggggggcc	cggtacccaa	tttcgcccta	tagtgagtcg	tattacaatt	cactggccgt	600
cgttttacaa	cgctgtgact	ggggaaaccc	tggcgttacc	caacttaata	gccttgnagn	660
aacntccctt	ttcggcagct	ggggtaa				687

<210> 104

<211> 804

<212> DNA

<213> Homo sapiens

<400> 104

gaattcggca	cgagattttc	ttcatgcagt	attctcagat	tggaacatg	cttcattgtt	60
cttataaata	accctcaatt	atgagggcgt	acttttcact	ttgaagaaaa	ttgacttgca	120
ttaaagtggc	taacaattct	ttcctgggca	ggatgtaaaa	ttttcctctc	ctctaatacc	180
agtactgttg	agctcacatt	ctcccacttt	tcctcttttc	aggtgggtca	cgtatttggg	240
attttatgaa	acctcagaag	cagacatgtt	aactttttct	atctttttat	tccttgaggt	300

```

agtcctgggg ctcttaagag attacagttc ttaaaacctg gaaagtgaca ccagagaggt 360
agatcttagt tcccaaaatt aaagttactt tctagggcat aaaacctttt cagaattcag 420
attaaatttt atttattttt tcttttttct gtaaccttat atttgagggg aaaattttat 480
tttcaacttt tgcataatc taatttaaca tttgggaaaa ctgtaaattg gccaaagt 540
ctccctttat atgattttcc agatttttac cactttctta gtgccacttg atgctaggca 600
ttgtctattg gagactcact ggtacgtaac tgcaggtttt accatggaac cacatataca 660
catgtcttgg aattgagggg tagggtttcc agaaggactt agttgtcctg tgcttttgtc 720
tgcccatgc caaagaccac taagaacagt tttgtaagtg aaacttgggt ctacacgtta 780
aaaaaaaaaa aaaaaaaaaa tcga 804

```

```

<210> 105
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<400> 105
ccacgcgtcc ggttctttga ttgcttcata agaaacctgg gtattgctct gtgctgaggt 60
cttagatatg ttctagcact caggagtcca aaccattgct tttgggttag aaatgcatga 120
aagaaacatg caggtctatc tgaactacaa ataaactttc tgcttaagtc tacttaggct 180
aatgttgaaa catttggttca ttcaacacaa accacatggg ggcagaagaa gagagaccct 240
cattacacca catagtagca ataggagctg caatgtcaca atgagtttta aaaagaatgc 300
ctcttttaaaa gaaaaaaaaa aacaagaaag aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaaaaaa aaa 373

```

```

<210> 106
<211> 687
<212> DNA
<213> Homo sapiens

```

```

<400> 106
ccacgcgtcc gctcctgtga ggtatggtgc tgggtgcaga tgcagtgtgg ctctggatag 60
caccttatgg acagtttgtt cccaaggaa ggatgagaat agctactgaa gtcctaaaga 120
gcaagcctaa ctcaagccat tggcacacag gcattagaca gaaagctgga agttgaaatg 180
gtggagtcca acttgcttgg accagcttaa tggttctgct cctggtaacg tttttatcca 240
tggatgactt gcttgggtaa ggacatgaag acagttcctg tcataccttt taaaggatat 300
gagagtgggc ttgactacac tgtgtggagc aagtttttaa gaagcaaagg actcagaatt 360
catgattgaa gaaatgcagg cagacctgtt atcctaaact agggttttta atgaccacaa 420
caagcaagca tgcagcttac tgcttgaaag ggtcttgctt caccacagct agagtgcagt 480
ggcctttgaa gcttactaca gctcaaact tctgggctca agtgatcctc agctccctag 540
tggctcttgt agactgctg atggagtctc atggcacaag aagattaaaa cagtgtctcc 600
aattttaata aatttttgc atccaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaa 687

```

```

<210> 107
<211> 37
<212> PRT
<213> Homo sapiens

```

```

<220>
<221> SITE
<222> (37)
<223> Xaa equals stop translation

```

```

<400> 107
Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro

```

1 5 10 15
 Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn
 20 25 30

Gly Leu Ser Glu Xaa
 35

<210> 108

<211> 457

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 108

Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
 1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
 20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
 35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser
 50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
 65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val
 85 90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
 100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
 115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
 130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
 145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
 165 170 175

Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val
 180 185 190
 Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys
 195 200 205
 Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr
 210 215 220
 Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu
 225 230 235 240
 Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe
 245 250 255
 Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro
 260 265 270
 Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala
 275 280 285
 Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile
 290 295 300
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly
 305 310 315 320
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn
 325 330 335
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro
 340 345 350
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly
 355 360 365
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu
 370 375 380
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe
 385 390 395 400
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly
 405 410 415
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp
 420 425 430
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro
 435 440 445
 Asp Thr Gln Arg Ile Leu Thr Val Lys
 450 455

<210> 109

<211> 103

<212> PRT

<213> Homo sapiens

<400> 109

Met Gly Ser Trp Cys Leu Arg Gly Gly Ala Val Glu Glu Pro Ala Leu
1 5 10 15

Gln Ser Arg Glu Met Gly Tyr Ile Pro Val Leu Leu Pro Ser Ile Gly
20 25 30

Leu Glu Val Ser Gln Leu Leu Ala Gly Ala Gly Asp Ile Arg Asp Pro
35 40 45

Pro Asn Gln Glu Ile Pro His Gln Leu Phe Ser Arg Asp Val Ala Asn
50 55 60

Pro Ile Cys Arg Asp Phe Ile Thr Arg Glu Thr Leu Ser Thr Glu Ile
65 70 75 80

Leu Met Ile Asp Ile Leu Leu Thr Arg Ser Ser Pro Leu Thr Phe Cys
85 90 95

Leu Tyr Arg Asp Ala Phe Asp
100

<210> 110

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 110

Met Gly Gly Thr Glu Ser Tyr Ile Ser Ser Ser Pro Leu Leu Arg Thr
1 5 10 15

Leu Leu Leu Ser Tyr Leu Val Phe Leu Tyr Tyr Leu Tyr Leu Leu Phe
20 25 30

Tyr Val Ala Arg Ser Pro Phe Gly Lys Ala Glu Tyr Lys Xaa
35 40 45

<210> 111

<211> 210

<212> PRT

<213> Homo sapiens

<400> 111

Met Ala Ser Leu Leu Gln Gln Ile Glu Ile Glu Arg Ser Leu Tyr Ser
1 5 10 15

Asp His Glu Leu Arg Ala Leu Asp Glu Asn Gln Arg Leu Ala Lys Lys
20 25 30

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
 35 40 45
 Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
 50 55 60
 Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
 65 70 75 80
 Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
 85 90 95
 Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
 100 105 110
 Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
 115 120 125
 Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
 130 135 140
 Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
 145 150 155 160
 Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
 165 170 175
 Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
 180 185 190
 Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
 195 200 205
 Asp Leu
 210

<210> 112

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (110)

<223> Xaa equals stop translation

<400> 112

Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
 1 5 10 15

Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
 20 25 30

Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
 35 40 45

Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

50 55 60

Glu Glu Lys Gln Thr Thr Ala Thr Ser Glu Asp Asn Thr Lys His Leu
65 70 75 80

Val His Ser Val Tyr Thr Arg Gly Ala Val Asn Phe Leu Val Glu Lys
85 90 95

Glu Leu Ser Leu Glu Lys Tyr Leu Lys Lys Pro Leu Lys Xaa
100 105 110

<210> 113
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals stop translation

<400> 113
Met Ala Ala Val Met Leu Val Leu Thr Val Val Leu Gly Leu Tyr Asn
1 5 10 15

Ser Tyr Asn Ser Cys Ala Glu Gln Ala Asp Gly Pro Leu Gly Arg Ser
20 25 30

Thr Cys Ser Ala Ala Pro Gly Thr Pro Gly Gly Ala Gln Asp Ser Ser
35 40 45

Met Ser Ser Leu Gln Ser Ser Arg Lys Pro His Thr Xaa
50 55 60

<210> 114
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (135)
<223> Xaa equals stop translation

<400> 114
Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
1 5 10 15

Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
20 25 30

Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
35 40 45

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
115 120 125

Glu Leu Tyr Thr Lys Asn Xaa
130 135

<210> 115

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 115

Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys Xaa
65 70

<210> 116

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 116

Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr
1 5 10 15

Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys
 20 25 30
 Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val
 35 40 45
 His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys
 50 55 60
 Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp
 65 70 75 80
 Tyr Cys Met Lys Leu Cys Leu Xaa
 85

<210> 117
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 117
 Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15
 Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30
 Leu Gly Arg Asn Xaa
 35

<210> 118
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 118
 Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
 1 5 10 15
 Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
 20 25 30
 His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
 35 40 45
 Trp Gln His Xaa

50

<210> 119
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 119
 Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu
 1 5 10 15
 Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
 20 25 30
 Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser Xaa
 35 40

<210> 120
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 120
 Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His
 1 5 10 15
 Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
 20 25 30

<210> 121
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 121
 Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln
 1 5 10 15
 Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
 20 25 30
 Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln Xaa

35

40

45

<210> 122
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 122

Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser
 1 5 10 15

Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys
 20 25 30

Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys
 35 40 45

Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu
 50 55 60

Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr
 65 70 75 80

Leu Thr Ala Arg Val Lys Gly Gly Asp Gly Ile Arg Ile Tyr Lys Arg
 85 90 95

Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr
 100 105 110

Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys
 115 120 125

Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val
 130 135 140

Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser
 145 150 155 160

Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg
 165 170 175

Met Ser

<210> 123
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 123

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile

1 5 10 15
 Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
 20 25 30
 Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe Xaa
 35 40 45

<210> 124
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 124
 Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Leu Ser Gln
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
 50 55 60

Trp Pro Phe Xaa
 65

<210> 125
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 125
 Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
 1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
 20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
 35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
 50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg Xaa
 65 70 75

<210> 126
 <211> 65
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals stop translation

<400> 126
 Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
 1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
 20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
 35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
 50 55 60

Xaa
 65

<210> 127
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 127
 Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
 1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
 20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr

35

40

45

Gln Trp Lys Gly Asp Met Thr Leu Ile Leu Leu Phe Xaa
 50 55 60

<210> 128

<211> 31

<212> PRT

<213> Homo sapiens

<400> 128

Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val
 1 5 10 15

Leu Cys Leu Phe Tyr Tyr Leu Leu Leu Ile Arg Ala Leu Ala Leu
 20 25 30

<210> 129

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 129

Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
 1 5 10 15

Ser Ala Val Ala Arg Xaa
 20

<210> 130

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 130

Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg
 1 5 10 15

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu
 20 25 30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu
 35 40 45

Xaa

<210> 131
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 131
 Met Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu
 1 5 10 15
 Gly Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn
 20 25 30
 Ala Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly
 35 40 45
 Thr Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His Xaa
 50 55 60

<210> 132
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Pro Gly Leu Ser Ala Ala Leu Thr Asp Cys Ser Ser Leu Pro His
 1 5 10 15
 Gly Phe Pro Phe Phe Leu Glu Tyr Leu Phe Phe Arg Gly Asn Met Gln
 20 25 30
 Leu Gly Leu Lys Thr Phe Pro Pro Ile Ser Pro Thr Gln Pro Arg Leu
 35 40 45
 Gly Phe Ser Gly Glu Leu Arg Ser Leu Ser Val Phe Ile Phe His Pro
 50 55 60
 Phe Ile Val Thr Ser Phe Val Ile Leu Phe Phe Phe Gly Gly Asp Gly
 65 70 75 80
 Val Ile Val Asn Leu Ile Ser Val Ser Tyr Leu Phe Ala Ser Pro Pro
 85 90 95
 Ser Pro Pro His Glu Leu Leu Pro Ser Arg Gly Leu Ala Gln Leu Ala
 100 105 110
 Leu Gly Thr Arg Glu Arg Thr Asp Ser Gly Pro Pro Gln Leu Ser Pro
 115 120 125
 Pro Ser Leu Trp Lys Gly Gly Trp Gly Ser Gly Ala Ser Ser Trp Ala

130

135

140

Leu Cys Glu Ala Trp Pro Pro Leu Pro Thr Leu Ala Leu Asp Cys Tyr
 145 150 155 160

Ser

<210> 133

<211> 49

<212> PRT

<213> Homo sapiens

<400> 133

Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr
 1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp
 20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp
 35 40 45

Asn

<210> 134

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 134

Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr
 1 5 10 15

Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe
 20 25 30

Pro Gln Gly Ile Leu Xaa
 35

<210> 135

<211> 77

<212> PRT

<213> Homo sapiens

<400> 135

Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His
 1 5 10 15

Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn
 20 25 30

Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr
 35 40 45

Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn
 50 55 60

Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser
 65 70 75

<210> 136

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 136

Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly
 1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr Xaa
 20 25 30

<210> 137

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 137

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Leu Lys
 1 5 10 15

Phe Tyr Ser Leu Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met
 20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val
 35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr Xaa
 50 55

<210> 138

<211> 40

<212> PRT

<213> Homo sapiens

<400> 138

Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser
1 5 10 15

Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu
20 25 30

Gly Gly Ser Gly Arg Arg Ile Ser
35 40

<210> 139

<211> 47

<212> PRT

<213> Homo sapiens

<400> 139

Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe
1 5 10 15

Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val
20 25 30

Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met
35 40 45

<210> 140

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 140

Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp
1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser Xaa
20 25 30

<210> 141

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 141

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
 1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
 20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly Xaa
 35 40 45

<210> 142

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142

Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
 1 5 10 15

Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
 20 25 30

Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
 35 40 45

Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
 50 55 60

Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
 65 70 75 80

Xaa Ile Ser Glu Ser
 85

<210> 143

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu

35

40

<210> 144

<211> 65

<212> PRT

<213> Homo sapiens

<400> 144

Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val
 1 5 10 15

Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys
 20 25 30

Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser
 35 40 45

Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser
 50 55 60

Asp
 65

<210> 145

<211> 312

<212> PRT

<213> Homo sapiens

<400> 145

Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His
 1 5 10 15

Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys
 20 25 30

Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly
 35 40 45

Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys
 50 55 60

Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln
 65 70 75 80

Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu
 85 90 95

Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro
 100 105 110

Leu Asp Gln Val Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu
 115 120 125

Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu
 130 135 140

Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys
145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala
165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr
180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr
195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu
210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser
225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val
245 250 255

Glu Ala Lys Glu Asp Tyr Thr Lys Phe Asn Thr Lys Asp Leu Lys Thr
260 265 270

Glu Lys Lys Asn Ser Lys Met Thr Ala Ala Gln Lys Ala Leu Ala Lys
275 280 285

Val Asp Lys Ser Gly Met Lys Ser Ile Asp Thr Phe Phe Gly Val Lys
290 295 300

Asn Lys Lys Lys Ile Gly Lys Val
305 310

<210> 146

<211> 58

<212> PRT

<213> Homo sapiens

<400> 146

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala
1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val
20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile
35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro
50 55

<210> 147

<211> 63

<212> PRT

<213> Homo sapiens

<400> 147

Met Gly Gln Thr Glu Ala Met Gln Glu Glu Met Arg Thr Arg Thr Cys
 1 5 10 15

Thr Thr Thr Pro Gln Pro Met Glu Thr Ile Arg Gln Asn Lys Thr Arg
 20 25 30

Arg His Met Thr Arg Lys Gln Ala Trp Thr Leu Gln Lys Cys Gln Cys
 35 40 45

His Glu Arg Gln Lys Leu Gly Met Leu Phe Trp Ile Lys Gly Asp
 50 55 60

<210> 148

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 148

Met Tyr Leu Ile His Leu Tyr Gln Val Leu Lys Tyr Leu Asp Lys Ser
 1 5 10 15

Lys Tyr Phe Val Phe Ser Phe Phe Leu Leu Ser Ile Leu Leu Thr Thr
 20 25 30

Val Lys Arg Cys Ser Ile Leu Ile Trp Ser Val Leu Arg Arg Lys Thr
 35 40 45

Met Lys Ala Glu Leu Val Cys Ala Thr Gln Ser Lys Pro Leu Leu Phe
 50 55 60

Phe Trp Lys Asp Gly Val Met Phe Phe Lys Asp Ser Asn Lys Tyr Pro
 65 70 75 80

Ala Val Ile Ser Xaa
 85

<210> 149

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 149

Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr
 1 5 10 15

Arg Lys Val Ser Ala Lys Pro Cys Gly Xaa
 20 25

<210> 150
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 150
 Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
 1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
 20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
 35 40 45

Xaa

<210> 151
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
 1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
 20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
 35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
 50 55 60

<210> 152

<211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 152
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser Xaa

<210> 153
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 153
 Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15

Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30

Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45

Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60

Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80

Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95

Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile

115 120 125
 Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp
 130 135 140
 Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys
 145 150 155 160
 Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu
 165 170 175
 Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly
 180 185 190
 Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu
 195 200 205
 Tyr Arg Xaa
 210

<210> 154

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals stop translation

<400> 154

Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
 1 5 10 15

Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
 20 25 30

Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
 35 40 45

Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
 50 55 60

Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
 65 70 75 80

Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
 85 90 95

His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
 100 105 110

Pro Arg Xaa
115

<210> 155
<211> 227
<212> PRT
<213> Homo sapiens

<400> 155

Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly
1 5 10 15

Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr
20 25 30

Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln
35 40 45

Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu
50 55 60

His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp
65 70 75 80

Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln
85 90 95

Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser
100 105 110

Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys
115 120 125

Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met
130 135 140

Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu
145 150 155 160

Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln
165 170 175

Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys
180 185 190

Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly
195 200 205

Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys
210 215 220

Lys Thr Arg
225

<210> 156
<211> 114

FOR "SECRET" Stamp Area and 3 B lines above Stamp Area

<212> PRT
 <213> Homo sapiens

<400> 156

Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu
 1 5 10 15

Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
 20 25 30

Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser
 35 40 45

Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
 50 55 60

Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
 65 70 75 80

Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
 85 90 95

Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
 100 105 110

Arg Ala

<210> 157
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 157

Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
 1 5 10 15

Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
 20 25 30

Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
 35 40 45

<210> 158
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals stop translation

<400> 158

Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
 1 5 10 15

Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
 20 25 30

Asn Ile Met Xaa
 35

<210> 159
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 159
 Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser
 1 5 10 15

Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp
 20 25 30

Leu Trp Gly Gln Gly Xaa
 35

<210> 160
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 160
 Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
 1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn Xaa
 20 25 30

<210> 161
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals stop translation

<400> 161

Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe
 1 5 10 15
 Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile
 20 25 30
 Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr
 35 40 45
 Val Leu Ser Leu Leu Trp Gly Xaa
 50 55

<210> 162
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 162
 Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
 1 5 10 15
 Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
 20 25 30
 Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
 35 40 45
 Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
 50 55 60
 Gln Ile Pro His Phe Xaa
 65 70

<210> 163
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 163
 Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
 1 5 10 15
 His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
 20 25 30
 Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro

35

40

45

Thr Thr Cys Xaa
50

<210> 164

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals stop translation

<400> 164

Met Cys Ala Asp Asp Leu Leu Ser Val Leu Leu Tyr Leu Leu Val Lys
1 5 10 15

Thr Glu Ile Pro Asn Trp Met Ala Asn Leu Ser Tyr Ile Lys Asn Phe
20 25 30

Arg Phe Ser Ser Leu Ala Lys Asp Glu Leu Gly Ile Leu Pro Asp Leu
35 40 45

Ile Arg Xaa Cys Pro Leu Asn Ile Arg Gln Gly Ser Leu Ser Ala Lys
50 55 60

Pro Pro Glu Ser Glu Gly Phe Gly Asp Arg Leu Phe Leu Lys Gln Arg
65 70 75 80

Met Ser Leu Leu Ser Gln Met Thr Ser Ser Pro Thr Asp Cys Leu Phe
85 90 95

Lys Ala Asp Ala Leu Leu Glu Xaa
100

<210> 165

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals stop translation

<400> 165

Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val
1 5 10 15

Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu
 20 25 30

Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala
 35 40 45

Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu
 50 55 60

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr Xaa
 65 70 75

<210> 166

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 166

Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
 1 5 10 15

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
 20 25 30

Leu His Ser Val Pro Xaa
 35

<210> 167

<211> 272

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (120)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (176)

<223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

Ser Ser Pro Arg Ile Leu His Thr Pro Ile Ala Asn Gln Ile Lys Ala
260 265 270

<210> 168
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 168
 Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
 1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe Xaa
 20 25

<210> 169
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 169
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
 1 5 10 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met Xaa
 20 25

<210> 170
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 170
 Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
 1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
 20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly

45

Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu

20 25 30
 Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45
 Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60
 Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 173
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 173
 Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
 1 5 10 15
 Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn Xaa
 20 25 30

<210> 174
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 174
 Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15
 Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His
 20 25 30
 Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
 35 40 45
 Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
 50 55 60
 Lys Lys Xaa
 65

<210> 175
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
 1 5 10 15
 Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
 20 25 30
 Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
 35 40 45
 Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
 50 55 60
 Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
 65 70 75 80
 Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
 85 90 95
 Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
 100 105 110
 Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
 115 120 125

<210> 176
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 176
 Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
 1 5 10 15
 Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser
 20 25 30
 Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn Xaa
 35 40 45

<210> 177

```

<400> 178
Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1             5             10             15

Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
      20             25             30

Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
      35             40             45

Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
 50             55             60

```

Arg Pro Trp Gln Gly Arg Ser Ser Xaa
65 70

<210> 179
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 179
Met Val Leu Pro Arg Ile Leu Val Leu Met Leu Phe Leu Ala Leu Lys
1 5 10 15

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys Xaa
20 25 30

<210> 180
<211> 72
<212> PRT
<213> Homo sapiens

<400> 180
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln
20 25 30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile
50 55 60

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

<210> 181
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals stop translation

<400> 181

Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe
 1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu
 20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu
 35 40 45

Cys Asp Ser Ile Ile Phe Xaa
 50 55

<210> 182

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 182

Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys
 1 5 10 15

Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr
 20 25 30

Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu
 35 40 45

Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val
 50 55 60

Thr Ala Xaa
 65

<210> 183

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 183

Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met
 1 5 10 15

Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln
 20 25 30

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn
65 70 75 80

Leu Pro Pro Gly Pro Phe Ser Pro Ala Pro Asp Leu Leu Gly Asp Gly
 85 90 95

Phe Xaa

<210> 186
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 186
 Met Ala Ser Leu Leu Asp Asn Phe Ile Leu Asn Ile Ile Val Ile Phe
 1 5 10 15
 Cys Ile Val Ile Asp Ser Tyr Leu Cys Gly Phe Met Tyr Phe Phe Val
 20 25 30
 Ile Asp Ser Pro Val Pro Ala Cys Ser Pro Leu Gln Leu Ser Gln Thr
 35 40 45
 Leu Ile Leu Gln Leu Gln Pro Thr Ala Arg Tyr Phe His Xaa
 50 55 60

<210> 187
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 187
 Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn
 1 5 10 15
 His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr
 20 25 30
 Phe Ile Tyr Asp Pro Phe Lys Ala
 35 40

<210> 188
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro
 1 5 10 15
 Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
 20 25 30

Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile
35 40 45

Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp
50 55 60

Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val
65 70 75 80

Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly
85 90 95

His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser
100 105 110

Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg
115 120 125

Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu
130 135 140

Tyr Gly Asn Leu Gly His Pro Leu Ser
145 150

<210> 189

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals stop translation

<400> 189

Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys
1 5 10 15

Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala
20 25 30

Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu
35 40 45

Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr Xaa
50 55 60

<210> 190

<211> 108

<212> PRT

<213> Homo sapiens

<400> 190

Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Lys Val
1 5 10 15

Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu
 20 25 30

Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg
 35 40 45

Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser
 50 55 60

Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser
 65 70 75 80

Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro
 85 90 95

Arg Thr Ala Glu Thr Pro Thr Thr Leu Ser Glu Leu
 100 105

<210> 191
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 191
 Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu
 1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg Xaa
 20 25 30

<210> 192
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals stop translation

<400> 192
 Met Ser Leu Leu Leu Phe Leu Lys Val His Leu Phe Ser Pro Ser Thr
 1 5 10 15

Ile Phe Lys Arg Asn Asn Xaa
 20

<210> 193
 <211> 106

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals stop translation

<400> 193

Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
 1 5 10 15

Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
 20 25 30

Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
 35 40 45

Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
 50 55 60

Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
 65 70 75 80

Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
 85 90 95

Cys Val Phe Pro Pro Ala Lys Val Gly Xaa
 100 105

<210> 194
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals stop translation

<400> 194

Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
 1 5 10 15

Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
 20 25 30

Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
 35 40 45

Lys Thr Arg Leu Gly Xaa
 50

<210> 195
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals stop translation

<400> 195
 Met Arg Asp Pro Leu Asn Arg Val Leu Ala Asn Leu Phe Leu Leu Ile
 1 5 10 15
 Ser Ser Ile Leu Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val
 20 25 30
 Gln Trp Phe Met Glu Glu Cys Val Asp Cys Leu Glu Gln Gly Gly Arg
 35 40 45
 Gly Ser Val Leu Gln Phe Met Pro Phe Thr Thr Val Ser Glu Leu Val
 50 55 60
 Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
 65 70 75 80
 Leu Ser Leu Pro Leu Gly Arg Gln Val Ala Ala Lys Ala Ile Ala Ala
 85 90 95
 Leu Xaa

<210> 196
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 196
 Met Gln Gly Ser Pro Leu Val Thr Ala Ile Tyr Lys Ile Phe Leu Leu
 1 5 10 15
 Ser Leu Leu Val Arg Gly Ile Cys Xaa
 20 25

<210> 197
 <211> 126
 <212> PRT
 <213> Homo sapiens

TOP SECRET

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals stop translation

<400> 197

Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala
 1 5 10 15

Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala
 20 25 30

Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val
 35 40 45

Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly
 50 55 60

Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro
 65 70 75 80

Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val
 85 90 95

Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu
 100 105 110

Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys Xaa
 115 120 125

<210> 198

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 198

Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser
 1 5 10 15

Gln Leu Ile Gly Phe Leu Leu Xaa
 20

<210> 199

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals stop translation

<400> 199

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe
 1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val
 20 25 30

Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly
 35 40 45

Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr
 50 55 60

Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu
 65 70 75 80

Xaa

<210> 200

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 200

Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu
 1 5 10 15

Leu Arg Asp Tyr Ser Ser Xaa
 20

<210> 201

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals stop translation

<400> 201

Met His Val Tyr Leu Asn Tyr Lys Xaa
 1 5

<210> 202

<211> 11

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 202
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala Xaa
 1 5 10

<210> 203
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 203
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15

Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
 1 5 10 15

Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
 20 25 30

Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
 35 40 45

<210> 205
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 205
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 206

Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg
 1 5 10 15

Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg
 20 25 30

Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser
 35 40

<210> 207

<211> 41

<212> PRT

<213> Homo sapiens

<400> 207

Ser Arg Ser Leu Ala Leu Ala Ala Ala Pro Ser Ser Asn Gly Ser Pro
 1 5 10 15

Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
 20 25 30

Lys Pro Leu Thr Pro Leu Gln Glu Glu
 35 40

<210> 208

<211> 41

<212> PRT

<213> Homo sapiens

<400> 208

Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
 1 5 10 15

Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Gln Lys Ser
 20 25 30

Glu Ser Pro Glu Glu Pro Glu Glu Val
 35 40

<210> 209

<211> 37

<212> PRT

<213> Homo sapiens

<400> 209

Glu Glu Thr Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
 1 5 10 15

Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His

20

25

30

Trp Gln Val Ile Trp
35

<210> 210

<211> 41

<212> PRT

<213> Homo sapiens

<400> 210

Ile Leu Tyr Leu Val Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser
1 5 10 15

Leu Gly Leu Thr Tyr Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro
20 25 30

Val Tyr Leu Leu Ile Ala Ile Val Ile
35 40

<210> 211

<211> 20

<212> PRT

<213> Homo sapiens

<400> 211

Tyr Gly Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr
1 5 10 15

Leu Val Trp Ala
20

<210> 212

<211> 12

<212> PRT

<213> Homo sapiens

<400> 212

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp
1 5 10

<210> 213

<211> 20

<212> PRT

<213> Homo sapiens

<400> 213

Pro Leu Pro Glu Arg Ala Ile Tyr Gly Phe Val Leu Phe Leu Ser Ser
1 5 10 15

Gln Phe Gly Phe
20

<210> 214
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 214
 Pro Thr Arg Gly Gly Ser Leu Cys Ala Cys Pro Gly Trp Gly Leu Pro
 1 5 10 15

 Ser Arg Leu Gly Leu Ser Leu Arg Phe Ser Ser Ser Pro Leu Arg Leu
 20 25 30

 Pro Ser Arg Arg Leu Arg Glu Asn Ser Ala Leu Arg Leu Ser Lys Ala
 35 40 45

 Pro Gly Lys
 50

<210> 215
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 215
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 216
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 216
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 217
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 217
 Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro
 1 5 10 15

 Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn
 20 25 30

 Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
 35 40

Trp Pro Cys Gly Gly Gly
35

<210> 221
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
 1 5 10 15

<210> 222
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 222
 Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
 1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
 20 25 30

Glu Leu Gly Ile
 35

<210> 223
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 223
 Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
 1 5 10 15

Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
 20 25 30

Gly Ile His
 35

<210> 224
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 224
 His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
 1 5 10 15

<210> 225

<211> 6
 <212> PRT
 <213> Homo sapiens

<400> 225
 Phe Thr Phe Pro Pro Thr
 1 5

<210> 226
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 226
 His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly-
 1 5 10 15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
 20 25 30

His Arg Gly Cys Phe Tyr Arg Arg Arg Gln Leu Met His Gln Leu Pro
 35 40 45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
 50 55 60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
 65 70 75 80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
 85 90 95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa Ala Xaa
 100 105 110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
 115 120 125

<210> 227

<211> 7

<212> PRT

<213> Homo sapiens

<400> 227

Thr Tyr Glu Trp Ala Pro Pro
 1 5

<210> 228

<211> 7

<212> PRT

<213> Homo sapiens

<400> 228

Pro Lys Glu Lys Gln Pro Val
 1 5

<210> 229

<211> 34

<212> PRT

<213> Homo sapiens

<400> 229

Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg
 1 5 10 15

Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln
 20 25 30

Lys Arg

<210> 230

<211> 163

<212> PRT

<213> Homo sapiens

<400> 230

Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu
 1 5 10 15

Arg Val Cys His Leu Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln
 20 25 30

Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
 35 40 45

Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe
50 55 60

Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr
65 70 75 80

Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val
85 90 95

Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln
100 105 110

Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly
115 120 125

Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val
130 135 140

Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala
145 150 155 160

Ala Glu Ala

<210> 231

<211> 8

<212> PRT

<213> Homo sapiens

<400> 231

Tyr Phe Leu Phe Ala Pro Thr Leu
1 5

<210> 232

<211> 16

<212> PRT

<213> Homo sapiens

<400> 232

Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys
1 5 10 15

<210> 233

<211> 16

<212> PRT

<213> Homo sapiens

<400> 233

Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly
1 5 10 15

<210> 234
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
 1 5 10 15

Pro

<210> 235
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 235
 Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
 1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys
 20 25

<210> 236
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 236
 Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
 1 5 10 15

Ile Arg

<210> 237
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 237
 Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
 1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
 20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
 35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser

50

55

60

<210> 238

<211> 48

<212> PRT

<213> Homo sapiens

<400> 238

Arg His Phe Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met
 1 5 10 15

Ala Arg Thr Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu
 20 25 30

Val Ser Val Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met
 35 40 45

<210> 239

<211> 47

<212> PRT

<213> Homo sapiens

<400> 239

Met Ala Gln Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly
 1 5 10 15

Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro
 20 25 30

Ile Ala Val Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr
 35 40 45

<210> 240

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 240

Ser Gly Xaa Trp Gln Gly Leu Asp Glu Val Val Arg Leu Leu Asn Xaa
 1 5 10 15

Ser Asp Phe Ala Phe Thr Asp

20

<210> 241
 <211> 61
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 241
 Gly Ser Leu Ala Lys Arg Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu
 1 5 10 15

 Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg
 20 25 30

 Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg
 35 40 45

 Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro
 50 55 60

 <210> 242
 <211> 194
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids -

 <400> 242
 Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
 1 5 10 15

 Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
 20 25 30

 Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
 35 40 45

 Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
 50 55 60

 Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
 65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys
85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg
100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg
115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val
130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr
145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gly Gln Arg
165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala
180 185 190

Thr Gly

<210> 243

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243

Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
1 5 10 15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
20 25 30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro

35	40	45
Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro		
50	55	60
Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu		
65	70	75
Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro		
	85	90
Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser		
	100	105
Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg		
	115	120
His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly		
	130	135
		140

<210> 244
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 244
 Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
 1 5 10 15

Leu Glu Asp Ile
 20

<210> 245
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 245
 Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
 1 5 10 15

<210> 246
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 246

Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu
 1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val
 20 25

<210> 247

<211> 159

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (63)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 247

Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn
 1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu
 20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser
 35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys
 50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val
 65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys
 85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu
 100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser
 115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly
 130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly
 145 150 155

<210> 248

<211> 21

<212> PRT

<213> Homo sapiens

<400> 248

Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly
 1 5 10 15

Pro Glu Arg Leu Val
 20

<210> 249

<211> 137

<212> PRT

<213> Homo sapiens

<400> 249

Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala
 1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro
 20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg
 35 40 45

Ser Arg Thr Arg Pro Gln Ser Met Val Glu Asn Arg Pro Pro His Thr
 50 55 60

Ala Lys Leu Pro Pro Ile Trp Gly Ala Arg Ile Leu Thr Ala Leu Ala
 65 70 75 80

Leu Pro Leu Asn Arg Cys Arg Ile Pro Thr Gly Ala Leu Arg Lys Pro
 85 90 95

Leu Met Ala Trp Lys Thr Pro Pro Pro Met Thr Pro Ile Val Lys Ala
 100 105 110

Pro Pro Gln Ser Ser Thr Ile Arg His Gly Gln Gly Ser Arg Ala Tyr
 115 120 125

Ser Gly Arg Val Gly Gly Arg Val Gly
 130 135

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ala Arg Ile Leu Thr Ala Leu Ala Leu Pro Leu Asn Arg Cys Arg
 1 5 10 15

Ile Pro Thr Gly Ala Leu Arg Lys Pro
 20 25

<210> 251

<211> 38

<212> PRT

<213> Homo sapiens

<400> 251

Pro Thr Arg Pro Pro Thr Arg Pro Glu Tyr Ala Arg Glu Pro Cys Pro
 1 5 10 15

Trp Arg Ile Val Asp Asp Cys Gly Gly Ala Phe Thr Met Gly Val Ile
 20 25 30

Gly Gly Gly Val Phe Gln
 35

<210> 252

<211> 39

<212> PRT

<213> Homo sapiens

<400> 252

Ala Ile Lys Gly Phe Arg Asn Ala Pro Val Gly Ile Arg His Arg Leu
 1 5 10 15

Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
 20 25 30

Ser Phe Ala Val Trp Gly Gly
 35

<210> 253

<211> 40

<212> PRT

<213> Homo sapiens

<400> 253

Leu Phe Ser Thr Ile Asp Cys Gly Leu Val Arg Leu Arg Gly Lys Glu
 1 5 10 15

Asp Pro Trp Asn Ser Ile Thr Ser Gly Ala Leu Thr Gly Ala Val Leu
 20 25 30

Ala Ala Arg Ser Gly Pro Leu Ala
 35 40

<210> 254

<211> 38

<212> PRT

<213> Homo sapiens

<400> 254

Ile Arg His Glu Arg Lys Ser Ala Arg Ala Cys Cys Pro Leu Thr Gly
 1 5 10 15

Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly
 20 25 30

His Ser Pro Ala Pro Val
35

<210> 255
<211> 38
<212> PRT
<213> Homo sapiens

<400> 255
Ala Pro Ser Ala Pro Gln Glu Asp Gly Gly Ser Pro Pro Ala Pro Gln
1 5 10 15

Gly Gln Pro Asp Pro Gly Pro Gly Ala Gly Gln Pro Ala Gln Leu Gly
20 25 30

Pro Leu Leu Ala Phe Leu
35

<210> 256
<211> 44
<212> PRT
<213> Homo sapiens

<400> 256
Pro Leu Leu His Gln Asp Cys Lys Glu Ser Pro His Leu Gly Ser Ser
1 5 10 15

Gly Ser Pro Val Gln Ala Leu Asp Leu Ser Ser Ile Gln Thr Arg Thr
20 25 30

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala
35 40

<210> 257
<211> 15
<212> PRT
<213> Homo sapiens

<400> 257
His Arg Leu Gln Val Phe Ser Phe Pro Ile Leu Gly Ser His Asn
1 5 10 15

<210> 258
<211> 52
<212> PRT
<213> Homo sapiens

<400> 258
Gly Lys Val Glu Ile Glu Val Phe Ile Phe Pro Tyr Glu Tyr Pro Val
1 5 10 15

Val Pro Thr Pro Leu Ile Lys Asn Thr Ile Leu Tyr Pro Leu Ser Leu
20 25 30

Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys
 35 40 45

Phe Phe Ile Phe
 50

<210> 259
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 259
 Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr
 1 5 10

<210> 260
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 260
 Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu
 1 5 10 15

Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu
 20 25 30

Ser Pro Asp Lys Cys Tyr Leu Tyr Thr
 35 40

<210> 261
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 261
 His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys
 1 5 10 15

Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Arg
 35 40 45

<210> 262
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 262
 His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
 1 5 10

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263
 Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
 1 5 10 15
 Lys Leu Gly Arg Trp Cys Gln Trp His
 20 25

<210> 264
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
 1 5 10

<210> 265
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 265
 Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
 1 5 10 15
 Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
 20 25 30
 Ser Tyr Ser
 35

<210> 266
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 266
 Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
 1 5 10 15
 Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
 20 25 30
 Gln Glu Ser Thr Pro Thr Leu
 35

<210> 267
 <211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 267

Ala	Pro	Gln	Lys	Phe	Pro	Xaa	Gly	Phe	Phe	Phe	Phe	Phe	Leu	Phe	Ser
1				5				10					15		

Arg	Arg	Lys	Lys	Gln	Cys	Ser	Lys	Val	Val	Gln	Asn	Thr	Gly	Ala	Gly
			20					25					30		

Ala	Ile	Gln	Thr	Gln	Val
					35

<210> 268

<211> 38

<212> PRT

<213> Homo sapiens

<400> 268

Gln	Leu	Leu	Thr	Ser	Pro	Thr	Phe	Ser	Thr	Val	Leu	Ser	Asn	Tyr	Thr
1				5					10					15	

Cys	Gln	Ala	Pro	Ser	Gln	Trp	Thr	Asp	Trp	Gln	Ala	Leu	Leu	Pro	Thr
			20					25					30		

Gly	Ile	Gln	Thr	Glu	His
					35

<210> 269

<211> 36

<212> PRT

<213> Homo sapiens

<400> 269

His	Gln	Gly	Trp	Asp	Lys	Gln	Lys	Gln	Cys	Lys	Arg	Lys	Cys	Glu	His
1					5				10					15	

Glu	His	Ala	Pro	Leu	His	His	Asn	Leu	Trp	Lys	Gln	Ser	Gly	Lys	Thr
			20					25					30		

Arg	Leu	Gly	Asp
			35

<210> 270

<211> 27

<212> PRT

<213> Homo sapiens

<400> 270

Lys	His	Val	Ile	Phe	Phe	Met	Phe	Ile	Ser	Asn	Leu	Phe	Leu	Ile	Leu
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1 5 10 15
 Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
 20 25

<210> 271
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 271
 Asp Lys Leu Leu Ser Phe His Leu Val Ser Ile
 1 5 10

<210> 272
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 272
 Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
 1 5 10

<210> 273
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 273
 Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
 1 5 10

<210> 274
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 274
 Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
 20 25 30

His Gln Ile Lys Thr Ser Pro
 35

<210> 275
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 275

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
20 25 30

His Leu Asn Asp Asn Ser
35

<210> 276

<211> 48

<212> PRT

<213> Homo sapiens

<400> 276

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
35 40 45

<210> 277

<211> 13

<212> PRT

<213> Homo sapiens

<400> 277

Ile Arg His Glu Asp Glu Val Lys Leu Leu Glu Trp Ser
1 5 10

<210> 278

<211> 35

<212> PRT

<213> Homo sapiens

<400> 278

Ser Leu His Ser Ser Ala Val Ala Ala Thr Tyr Lys Tyr Val Asn Met
1 5 10 15

Gln Asp Pro Glu Met Asp Met Lys Ser Val Thr Asp Arg Ala Ala Arg
20 25 30

Thr Leu Leu
35

<210> 279

<211> 60

<212> PRT

<213> Homo sapiens

<400> 279

Trp Thr Glu Leu Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe
1 5 10 15

Arg Glu Pro Ala Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser
20 25 30

Pro Arg Phe Arg Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu
35 40 45

Glu Arg Cys Ile Ala Cys Lys Leu Cys Glu Ala Ile
50 55 60

<210> 280

<211> 57

<212> PRT

<213> Homo sapiens

<400> 280

Cys Pro Ala Gln Ala Ile Ile Glu Ala Glu Pro Arg Ala Asp Gly Ser
1 5 10 15

Arg Arg Thr Thr Arg Tyr Asp Ile Asp Met Thr Lys Cys Ile Tyr Cys
20 25 30

Gly Phe Cys Gln Glu Ala Cys Pro Val Asp Ala Ile Val Glu Gly Pro
35 40 45

Asn Phe Glu Phe Ser Thr Glu Thr His
50 55

<210> 281

<211> 19

<212> PRT

<213> Homo sapiens

<400> 281

Gly Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr
1 5 10 15

Leu Tyr Arg

<210> 282

<211> 48

<212> PRT

<213> Homo sapiens

<400> 282

Ser Ala Ala Asp Pro Ala Thr Gln Pro Gly Asp Ser Arg Ala Leu Pro
1 5 10 15

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu

20

25

30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
 35 40 45

<210> 283

<211> 24

<212> PRT

<213> Homo sapiens

<400> 283

Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 284

<211> 7

<212> PRT

<213> Homo sapiens

<400> 284

Glu Phe Gly Thr Ser Trp Val
 1 5

<210> 285

<211> 78

<212> PRT

<213> Homo sapiens

<400> 285

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 286

<211> 21

<212> PRT

<213> Homo sapiens

<400> 286

Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala Gly Asp Pro Ala Pro Leu
 1 5 10 15

Pro Ser Thr Ser Ser
 20

<210> 287

<211> 15

<212> PRT

<213> Homo sapiens

<400> 287

Arg Val Cys Gly Leu Ile His Leu Val Ala Leu Arg Gly Gly Ile
 1 5 10 15

<210> 288

<211> 79

<212> PRT

<213> Homo sapiens

<400> 288

Gln Gly Tyr Ser Thr Lys Pro Arg Leu Met Val Pro Leu Lys Met Asp
 1 5 10 15

Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val Tyr
 20 25 30

Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly
 35 40 45

Val Gly Thr Ser Ser Ser Glu Ser Thr His Pro Glu Gly Pro Glu Glu
 50 55 60

Glu Glu Asn Pro Gln Gln Ser Glu Glu Leu Leu Glu Val Ser Asn
 65 70 75

<210> 289

<211> 30

<212> PRT

<213> Homo sapiens

<400> 289

Asp Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val
 1 5 10 15

Tyr Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg
 20 25 30

<210> 290

<211> 25

<212> PRT

<213> Homo sapiens

<400> 290

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser
 1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu
 20 25

<210> 291

<211> 26

<212> PRT

<213> Homo sapiens

<400> 291

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser
 1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu
 20 25

<210> 292

<211> 19

<212> PRT

<213> Homo sapiens

<400> 292

Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val
 1 5 10 15

Phe Cys Ile

<210> 293

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293

Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly
 1 5 10 15

Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala
 20 25

<210> 294

<211> 7

<212> PRT

<213> Homo sapiens

<400> 294

Gly Arg Pro Thr Arg Pro Ile
1 5

<210> 295

<211> 64

<212> PRT

<213> Homo sapiens

<400> 295

Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro
1 5 10 15Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu
20 25 30Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val
35 40 45Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr
50 55 60

<210> 296

<211> 21

<212> PRT

<213> Homo sapiens

<400> 296

Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro
1 5 10 15Arg Ala Lys Arg Glu
20

<210> 297

<211> 25

<212> PRT

<213> Homo sapiens

<400> 297

Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val
1 5 10 15Gln Leu Ile Thr Gln Ser Pro Ser Gln
20 25

<210> 298

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Gln	Lys	Glu	Trp	Lys	Leu	Phe	Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser
1				5					10					15	

Gly	Tyr	Gln	Lys	Leu	Leu	Glu	Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg
			20					25					30		

Val	Val	Thr	Ala	Gly	Ser	Ala	Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu
			35				40					45			

Val	Leu	Ser	Glu	Ile	Lys	Arg	Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr
	50					55					60				

Ser	Xaa	Leu	Pro	Asn	His	Ser	Glu	Pro	Asp	His	Asp	Thr	Asp	Ala	Gly
65					70					75					80

Leu	Glu	Arg	Thr	Asn	Pro	Glu	Tyr	Glu	Asn	Glu	Val	Glu	Ala	Ser	Met
				85					90					95	

Asp	Met	Asp	Leu	Glu	Ser	Ser	Asn	Ile	Ser	Glu	Gly	Glu	Ile	Glu	
			100				105					110			

Arg	Leu	Ile	Asn	Leu	Leu	Glu	Glu	Val	Phe	His	Leu	Met	Glu	Thr	Ala
	115					120						125			

Pro	His	Thr	Met	Ile	Gln	Gln	Pro	Val	Lys	Ser	Phe	Pro	Thr		
	130					135					140				

<210> 299

<211> 27

<212> PRT

<213> Homo sapiens

<400> 299

Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser	Gly	Tyr	Gln	Lys	Leu	Leu	Glu
1				5					10					15	

Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg	Val	Val					
				20				25							

<210> 300

<211> 26

<212> PRT

<213> Homo sapiens

<400> 300

Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu	Val	Leu	Ser	Glu	Ile	Lys	Arg
1				5					10					15	

Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr	Ser						
			20					25							

<210> 301
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 301
 Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
 1 5 10 15
 Ala Ser Met Asp Met Asp
 20

<210> 302
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 302
 Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
 1 5 10 15
 Val Phe His Leu Met Glu Thr Ala Pro His
 20 25

<210> 303
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 303
 Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly
 1 5 10 15
 Gly Phe Ile

<210> 304
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 304
 Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1 5 10 15
 Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
 20 25 30

Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
130 135 140

Lys Lys Lys Asn Ser
145

<210> 305

<211> 87

<212> PRT

<213> Homo sapiens

<400> 305

Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu
50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
65 70 75 80

Pro Glu Glu Ala Thr Arg Val
85

<210> 306

<211> 25

<212> PRT

<213> Homo sapiens

<400> 306

Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu
1 5 10 15

Met Cys Arg Tyr Thr His Leu His Pro
20 25

<210> 307
<211> 25
<212> PRT
<213> Homo sapiens

<400> 307
Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly
1 5 10 15

Gly Cys Ala Gly Ala Ala Arg Arg Arg
20 25

<210> 308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 308
Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln
1 5 10 15

Ser Leu Val Glu
20

<210> 309
<211> 26
<212> PRT
<213> Homo sapiens

<400> 309
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu
20 25

<210> 310
<211> 24
<212> PRT
<213> Homo sapiens

<400> 310
Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala
1 5 10 15

Thr Ser Asp His Pro Asn Asn Gln
20

<210> 311

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 311
 His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15
 Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

<210> 312
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 312
 Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15
 Leu Glu Glu Met Leu Thr Lys Glu
 20

<210> 313
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 313
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15
 Ala Arg Lys Glu Ala Val Cys Lys
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
 1 5 10 15
 Lys Ser Phe Ile Phe Cys Leu Pro Glu
 20 25

<210> 315
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

Ala	Asp	Val	Glu	Leu	Val	Asp	Pro	Xaa	Gly	Cys	Arg	Asn	Ser	Ala	Arg
1					5				10					15	

Ala	Pro	Ala	Arg	Lys	Lys	Glu	Trp	His	Ser	Trp	Ala	Trp	Pro	Arg	Ile
			20					25						30	

Arg	Val	Ile	Arg	Ala	Arg	Glu	Ser	Leu	Gly	Ser
		35						40		

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<400> 316

Glu	Phe	Gly	Thr	Ser	Arg	Gly	Pro	Val	Pro	Leu	Ser	Ser	Thr	Ser	Pro
1				5				10						15	

Met	Pro	Ser	Arg	Leu	Val	Ile	Arg	Ala	His	Ser	Leu	Leu	Phe	Ala
			20					25					30	

<210> 317

<211> 30

<212> PRT

<213> Homo sapiens

<400> 317

Phe	Arg	Ala	Trp	Arg	Asn	His	Gly	His	Ser	Cys	Phe	Leu	Cys	Glu	Ile
1				5					10					15	

Val	Ile	Arg	Ser	Gln	Phe	His	Thr	Thr	Tyr	Glu	Pro	Glu	Ala
		20						25					30

<210> 318

<211> 102

<212> PRT

<213> Homo sapiens

<400> 318

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25						30	

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
			35					40					45		

Ser	Ala	Arg	Ala	Val	Leu	Leu	Ile	Trp	Gly	His	Gly	Ser	Ser	Gly	Lys
					50			55				60			

Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val
65 70 75 80

Pro Val His Arg Tyr Leu Leu Ala Ala His Ile His Ser Glu Ala Leu
85 90 95

Leu Ser Gln Leu Arg Met
100

<210> 319

<211> 24

<212> PRT

<213> Homo sapiens

<400> 319

Thr Ala Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys
1 5 10 15

Gly Asn Lys Ser Trp Ser Ser Thr
20

<210> 320

<211> 26

<212> PRT

<213> Homo sapiens

<400> 320

Ser Ser Gly Lys Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val
1 5 10 15

Gly Gly Ser Val Pro Val His Arg Tyr Leu
20 25

<210> 321

<211> 7

<212> PRT

<213> Homo sapiens

<400> 321

Val Asp Pro Val Lys Gly Gly
1 5

<210> 322

<211> 16

<212> PRT

<213> Homo sapiens

<400> 322

Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe
1 5 10 15

<210> 323
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 323
 Ala Thr Ser His Cys Gly
 1 5

<210> 324
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 324
 Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
 1 5 10 15

Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
 20 25 30

Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
 35 40 45

<210> 325
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 325
 Leu Asn Ser Ser Asp Cys Gln Leu Ala
 1 5

<210> 326
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 326
 Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly
 1 5 10 15

Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu
 20 25 30

Ile

<210> 327
 <211> 40

<212> PRT
 <213> Homo sapiens

<400> 327
 Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile
 1 5 10 15
 Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile
 20 25 30
 Ile Phe Lys Phe Leu Pro Cys Ala
 35 40

<210> 328
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 328
 Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu
 1 5 10 15
 Gly Gln Ala Gly Thr
 20

<210> 329
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 329
 Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu
 1 5 10 15
 Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Pro Thr Ala Gly Leu
 20 25 30
 Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala
 35 40 45
 Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln
 50 55 60
 Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
 65 70 75 80

Leu Leu His Asp Ile
85

<210> 330
<211> 25
<212> PRT
<213> Homo sapiens

<400> 330
Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala
1 5 10 15

Gly Ala Pro Pro Pro Thr Ala Gly Leu
20 25

<210> 331
<211> 23
<212> PRT
<213> Homo sapiens

<400> 331
Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln
1 5 10 15

Ala Phe His Leu Cys Pro Gln
20

<210> 332
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332
Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr
1 5 10 15

Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val
20 25 30

Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val
35 40 45

Glu Arg
50

<210> 333
<211> 18
<212> PRT
<213> Homo sapiens

<400> 333

Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
 1 5 10 15

Phe Pro

<210> 334

<211> 34

<212> PRT

<213> Homo sapiens

<400> 334

Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
 20 25 30

Gly Gln

<210> 335

<211> 68

<212> PRT

<213> Homo sapiens

<400> 335

Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg
 1 5 10 15

Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His
 20 25 30

Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr
 35 40 45

Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln
 50 55 60

Ala Arg Leu Val
 65

<210> 336

<211> 27

<212> PRT

<213> Homo sapiens

<400> 336

Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr
 1 5 10 15

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly
 20 25

<210> 337
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 337
 Arg Arg Asp Ser Arg Ala Gly Ala
 1 5

<210> 338
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 338
 Leu Ser Ala Gly Asn His Asp Thr
 1 5

<210> 339
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 339
 Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
 1 5 10 15
 Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
 20 25 30
 Trp Leu Ser Ser Val Thr Leu Trp Ser
 35 40

<210> 340
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 340
 Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
 1 5 10

<210> 341
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 341
 Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
 1 5 10

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
 1 5 10 15

Gln Asp Phe

<210> 343
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 343
 Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
 1 5 10

<210> 344
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 344
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
 1 5 10 15

Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
 20 25 30

Leu Phe Val Gln Val Thr Ser Ala Ala
 35 40

<210> 345
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 345
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
 1 5 10

<210> 346
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 346
 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
 1 5 10 15

Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
100 105 110

Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu
 115 120 125

Thr Thr Tyr Val Ile Thr
 130

<210> 349

<211> 197

<212> PRT

<213> Homo sapiens

<400> 349

Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu
 1 5 10 15

Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg
 20 25 30

Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe
 35 40 45

Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln
 65 70 75 80

Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala
 85 90 95

Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro
 100 105 110

Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Glu Asp Glu Glu
 115 120 125

Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser
 130 135 140

His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln
 145 150 155 160

Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu
 165 170 175

Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp
 180 185 190

Lys Arg Asn Asn Lys
 195

<210> 350

<211> 10

<212> PRT

<213> Homo sapiens

<400> 350

Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
 1 5 10

<210> 351

<211> 39

<212> PRT

<213> Homo sapiens

<400> 351

Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
 20 25 30

His Gln Ile Lys Thr Ser Pro
 35

<210> 352

<211> 38

<212> PRT

<213> Homo sapiens

<400> 352

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
 1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
 20 25 30

His Leu Asn Asp Asn Ser
 35

<210> 353

<211> 48

<212> PRT

<213> Homo sapiens

<400> 353

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
 1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
 20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
 35 40 45

<210> 354

<211> 19
 <212> PRT
 <213> Homo sapiens

<400> 354
 Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly
 1 5 10 15

Ala Ala Gly

<210> 355
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 355
 Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu
 1 5 10 15

Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu
 20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro
 35 40

<210> 356
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 356
 Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln
 1 5 10 15

Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala
 20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu
 35 40

<210> 357
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 357
 Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
 1 5 10 15

Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
 20 25 30

Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
 35 40 45

<210> 358

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Trp Ser Val Cys Leu Ser Val Pro Pro Ser Leu Asn Leu Leu Pro Pro
1 5 10 15

Cys Pro Leu Leu Leu Ala Pro Gly Ser Pro Xaa Pro Leu Leu Ala Ala
20 25 30

Pro Ser His Leu Thr Gln Gly Ser Leu Arg Thr Leu Lys Trp Trp Ile
35 40 45

His Pro Glu
50

<210> 359

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 359

Ser Pro Gly Leu Xaa Gly Ile Arg His Glu Gln Pro Ser Lys Leu Met
1 5 10 15

Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala Asn Ile Leu Ser Ser Pro
20 25 30

Thr Asp Arg Ser Met Ser Ser Ser Leu Ser Ala Ser Gln Leu His Thr
35 40 45

Val Asn
50

<210> 360

<211> 25

<212> PRT

<213> Homo sapiens

<400> 360

Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala
1 5 10 15

<400> 365

Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu
 1 5 10

<210> 366

<211> 20

<212> PRT

<213> Homo sapiens

<400> 366

Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr
 1 5 10 15

Phe Arg Phe Trp
 20

<210> 367

<211> 21

<212> PRT

<213> Homo sapiens

<400> 367

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg
 1 5 10 15

Ser Gln Gly Gln Leu
 20

<210> 368

<211> 23

<212> PRT

<213> Homo sapiens

<400> 368

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp
 1 5 10 15

Thr Gly Phe Ser Leu Pro Phe
 20

<210> 369

<211> 18

<212> PRT

<213> Homo sapiens

<400> 369

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu
 1 5 10 15

Lys Arg

<210> 370
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 370
 Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
 1 5 10 15

Glu

<210> 371
 <211> 474
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (136)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (146)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (428)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 371
 Thr His Ala Ser Ala Thr Arg Pro Gly Pro Leu Pro Pro Gly Trp Glu
 1 5 10 15

Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr

20	25	30
Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu 35 40 45		
Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile 50 55 60		
Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Thr Tyr Ile Asp Pro 65 70 75 80		
Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val 85 90 95		
Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln 100 105 110		
Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu 115 120 125		
Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu 130 135 140		
Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Glu Gly Leu Asp Tyr 145 150 155 160		
Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu 165 170 175		
Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys 180 185 190		
Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr 195 200 205		
Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys 210 215 220		
Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn 225 230 235 240		
Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr 245 250 255		
Asn Ser Leu Ile Trp Val Lys Glu Asn Asn Ile Glu Glu Cys Asp Leu 260 265 270		
Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser 275 280 285		
His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn 290 295 300		
Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly 305 310 315 320		
Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu 325 330 335		

T. J. C. 1970

[illegible]